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# Thirty-first Annual Report

*of the*

University of Illinois  
Health Service

1946-1947







UNIVERSITY OF ILLINOIS  
HEALTH SERVICE

Departments in Urbana-Champaign

Thirty-first Annual Report  
1946-1947

J. HOWARD BEARD, M.D.  
University Health Officer

Urbana, Illinois

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## HEALTH BECOMES PERSONAL

As research piles discovery upon discovery, new industries develop, the average age of the population increases, transportation approaches sonic speed, and society becomes ever more complex, threats to health may arise with astounding rapidity and epidemics of communicable disease, both insect-borne and contact-conveyed, may occur without warning having been made possible by facilities for fast travel and wide exposure.

The maintenance of health has become more and more dependent upon the knowledge of the individual and his ability to recognize potential danger and to act promptly in his interest and that of his community. Longer life, social security, and greater safety are obtainable only if the average man learns what to do and does it in time. The day of the health department doing it alone is passed, and ignorance or delay may prove fatal.

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TO THE PRESIDENT OF THE UNIVERSITY

SIR:

I have the honor to present herewith the Thirty-first Annual Report of the activities of the University Health Service covering the period of July 1, 1946, to June 30, 1947.

The year has been a most active one for the Health Service. The demands upon it have far exceeded its ability to meet them because of inability to fill vacancies on its Medical Staff although sustained effort has been made to procure suitable personnel and the quest continues.

Nothing is so needed by it as the filling of vacancies on its staff with promising, well-trained physicians between 30 and 45 years of age to make it more effective, proficient, and progressive. With the present shortage of doctors, good office facilities, a thoroughly modern health program, and pleasant living conditions, in addition to the prevailing stipend, are essential inducements to attract them.

Civilian students made 37,542 visits to the Health Service, employees 3,922, and others 818, making a grand total of 42,282 calls for the year. Complete physical examinations were given to 7,369 students, of that number statistics have been compiled on 5,458 men and 1,661 women; 81 University High School students; 649 Civil Service employees; and 696 for the Retirement System.

## SERVICES

### I. University Students

There were 22,031 students enrolled in the University at Champaign-Urbana during the academic year 1946-47. All but a very few of these called at the Health Service Station one or more times during the year for a total of 37,542 visits, or an average of 1.70 calls per student.



The average call rate for women was 1.74; for men, 1.69. A total of 7,369 calls were made by students because of the required physical examination.

## II. University High School Students

A total of 81 pupils seeking admission to the University High School were examined. Of these, 29 were boys and 52 were girls.

## III. Retirement System

Of the 696 prospective participants for the Retirement System examined, 51 or 7.33 per cent were found to have physical or mental conditions which would make them "Risks Not Acceptable" for "Standard insurance on life or endowment plans and disability coverage" when measured by the usual yardsticks of underwriters of risks. The reasons for this classification are given below.

TABLE I

### Reasons for Classification of "Risk Not Acceptable"

1. Age 54, Overweight, Deafness, Valvular lesion, Varicosities.
2. Age 57, Marked hypertension, Cardiac hypertrophy.
3. Age 48, Severe hypertension, Overweight.
4. Age 27, Osteomyelitis, Obesity, Marked hypertension, Large inguinal hernia.
5. Age 47, Marked obesity.
6. Age 65, Marked evidence of senility.
7. Age 51, Obesity, Hypertension, Varicosities.
8. Age 55, Great obesity, Visceroptosis, Varicosities, Blood pressure upper limit of normal.
9. Age 36, Severe hypertension.
10. Age 59, Old lung involvement, Marked underweight.
11. Age 61, Overweight, Varicosities.
12. Age 37, Tumor, colon; Two major operations, arthritis and uterine cysts.
13. Tremendous obesity, Dysendocrinism.
14. Age 40, Peptic ulcer, Marked hypertension.
15. Age 53 years, Hypertension, Obesity.
16. Age 66, Obesity, Cataracts, Varicosities, Exhaustion.
17. Tumor, Dysendocrinism, Severe hypertension.
18. Tuberculosis.
19. Age 47, Varicosities, Marked hypertension.
20. Age 47, Obesity, Marked hypertension, Varicosities.





TABLE I (Concluded)

Reasons for Classification of "Risk Not Acceptable"

21. Age 46, Overweight, Hypertension.
22. Age 49, Marked varicosities, Senile changes.
23. Brain tumor.
24. Age 47, Severe hypertension.
25. Age 47, Lues, Locomotor ataxia.
26. Age 65, "Liver trouble," Varicosities, Severe hypertension.
27. Age 50, Severe obesity, Thyroid dysfunction, Marked hypertension.
28. Severe obesity, Shell shock.
29. Age 61, Deafness, Senile changes, Marked varicosities, Moderate hypertension.
30. Marked obesity, Beginning hypertension.
31. Age 61, Severe hypertension.
32. Obesity, Abdominal distension, Hemorrhoids.
33. Age 60, Pterygium, Severe hypertension.
34. Age 56, Organic heart disease, Hypertension.
35. Age 56, Mental confusion, Gall bladder disease, Kidney Lesion? Major operations.
36. Age 45, Nephrectomy, Carcinoma.
37. Age 64, Ocular hemorrhages, Enlarged spleen, Allergy, Marked hypertension.
38. Age 51, "Papillomatosis, generalized bladder tumor," Beginning hypertension.
39. Age 64, History of heart trouble, Enlarged aorta, Hypertension.
40. Severe obesity, Marked hypertension,
41. Abdominal abscesses; Renal infection; Peritonitis, still draining.
42. Severe obesity, Dysendocrinism, Tachycardia, Edema ankles, Beginning hypertension.
43. Marked obesity, Hypertension.
44. Age 59, Varicosities, Uterine tumors, Cardia hypertrophy, Marked hypertension.
45. Age 50, Enlarged liver, Marked obesity, Marked hypertension.
46. Class 4-F, Embolus retinal, Artery, Impairment of vision.
47. Tuberculosis.
48. Age 54, Obesity, Gall bladder disease, Severe hypertension.
49. Cardiac enlargement, Pulse very irregular.
50. Allergy, Albuminuria, Fainting spells.
51. Under treatment for duodenal ulcer.

Of the 696 examined, 64 or 9.2 per cent were found to be "Sub-standard Risks" for "Standard insurance on life or endowment plans and disability coverage." The reasons for this classification are given in the following table:



TABLE II

## Reasons for Classification of "Substandard Risks"

1. Hypertension.
2. Obesity.
3. Age 63 years, Hypertension.
4. Uterine displacement, Cervical erosion, Major operation.
5. Malaria, Psychoneurosis.
6. Dyspnea, Overweight.
7. Obesity.
8. Extensive lung markings.
9. Abdominal tumor.
10. Overweight, Hypertension.
11. Age 50, Hypertension.
12. Major surgery.
13. Overweight, Gall-stones, Major surgery.
14. Kidney operation.
15. Hypertension, Psychoneurosis.
16. Obesity.
17. Obesity.
18. Stone in kidney.
19. Hernia, Hypertension.
20. Hernia.
21. Varicosities, Edema legs, Psychoneurosis.
22. Renal stones.
23. Obesity.
24. Diabetes.
25. Major surgery.
26. Hypertension.
27. Skull fracture.
28. Hypertension.
29. Herniation of the nucleus pulposus.
30. Renal stone.
31. Organic heart disease.
32. Syphilis.
33. Gastric ulcer.
34. Obesity.
35. Gall stones, Major surgery.
36. Ovarian cyst, Ataxia.
37. Thyrotoxicosis.
38. Organic heart disease.
39. Diabetes.
40. Obesity.
41. Obesity.
42. Duodenal ulcer.
43. Back injury.
44. Arthritis.
45. Organic heart disease.
46. Hysteria, Ovarian cysts.
47. Hypertension.
48. Major surgery.
49. Organic heart disease.
50. Fibroid, Major surgery.
51. Emaciation.





TABLE II (Concluded)

Reasons for Classification of "Substandard Risks"

- 52. Age 62. Emaciation.
- 53. Obesity.
- 54. Dysendocrinism.
- 55. Neuritis.
- 56. Age 65.
- 57. Hernia.
- 58. Uterine retroversion.
- 59. Syphilis.
- 60. Syphilis.
- 61. Dysendocrinism.
- 62. Major surgery.
- 63. Obesity.
- 64. Hernia.

IV. Employees

The examination of Academic Employees totaled 636. Of these, 488 were men and 148 were women. The classifications were as follows: Men, 454 Standard risks; 23 Substandard Risks; and 11 Risks Not Acceptable. Women, 142 Standard Risks; 3 Substandard Risks; and 3 Risks Not Acceptable.

Because of the labor turn-over and the number of workers incidental to servicing the Union Building and Residence Halls, 649 Nonacademic personnel were examined. Of these, 294 were men and 355 were women. Nonacademic employees made 3,922 visits to the Health Service.

V. Student and Private Pilots

With the inauguration of instruction in flying at the University airfield, the Health Service was requested by the Director of the Institute of Aeronautics to examine prospective students of aviation in accordance with the requirement of the Civil Aeronautics Administration. A total of 364 were examined of whom 7 were women.

VI. Foodhandlers

During the year, 442 foodhandlers were examined to determine their physical fitness and disease carrier status.



## VII. Applicants for Marriage Certificates

Pre-marital examinations have been available to students since the enactment of the Saltiel Law. During the year, 134 of them received the benefit of this service.

## VIII. Laboratory Service

In caring for students and employees, 11,163 laboratory tests were made; 8,477 at the Health Service Station and 2,686 by the State Branch Laboratory at 505 South Fifth Street, Champaign, Illinois.

TABLE III

<u>Laboratory Test</u>			
At Health Service Station			
	<u>Negative</u>	<u>Positive</u>	<u>Total</u>
Urinalyses	8266	211	8477
At State Laboratory			
	<u>Negative</u>	<u>Positive</u>	<u>Total</u>
Kahn Tests	1942	15	1957
Bacteriological examinations of excreta	334	2	336
Smears from the urethra	49	6	55
Smears for Vincent's Angina	78	78	156
Smears for Streptococci	1	-	1
Diphtheria cultures	8	-	8
Sputum examinations	162	3	165
Malarial smears	6	2	8
	<u>2580</u>	<u>106</u>	<u>2686</u>

## FOLLOW-UP

### I. General

When new students take their physical examinations, a brief summary of the abnormal findings, if any, is made on their records. Subsequently, they are recalled for conferences concerning the defects discovered, and are given advice regarding such correction or alleviation as may be possible. This phase of "follow-up" was much restricted during the

The present investigation was conducted in Chicago, Illinois, during the summer of 1934. The results of this research are presented in this report.

II. General

In order to conduct the investigation, it was necessary to select a sample of the population. A list of the names of the students of the University of Chicago was obtained from the Registrar's Office. From this list, a random sample of 100 names was selected.

TABLE I

Summary of Data

For the entire sample		
Age	Sex	Grade
18-20	50	100
For the male sample		
Age	Sex	Grade
18-20	50	100
21-25	50	100
26-30	50	100
31-35	50	100
36-40	50	100
41-45	50	100
46-50	50	100
51-55	50	100
56-60	50	100
61-65	50	100
66-70	50	100
71-75	50	100
76-80	50	100
81-85	50	100
86-90	50	100
91-95	50	100
96-100	50	100

TABLE II

III. General

The present investigation was conducted in Chicago, Illinois, during the summer of 1934. The results of this research are presented in this report. The sample was selected from the University of Chicago, and the results are presented in the following tables.

year because of the reduction in the medical staff of the Health Service and great increase in the number of students, employees, and faculty members to be examined as required by University regulations.

## II. Albuminuria

A total of 56 new students examined on matriculation in 1946-47 were found to have albuminuria. Repeated examinations showed the condition to be persistent in 16 instances and transient in 40.

## III. Heart Disease

Of the 7,369 students examined, 65 were found to have cardiac abnormalities. These have been kept under observation, have been repeatedly examined, and have been excused from physical education where the condition was marked or assigned to a program of adapted exercise which will protect them against undue strain.

## IV. Tuberculosis

During the year, 51 students requested tuberculin tests, of which approximately 30 per cent were positive. The percentage of positive reactors is about what should be expected in a group of the age, environmental background, and composition of Illinois students. Those who reacted positively have had roentgenograms of their chests to establish, as far as possible, the extent and nature of their infection and to have a record for future comparison.

At McKinley Hospital, a total of 45 sedimentary tests were given. Of these, 39 were negative and 9 were positive.

Through the generous help and cooperation of the Division of Tuberculosis Control of the Department of Public Health, a total of 10,920 roentgenograms of the chests of members of the University population has been made. See Table IV.





TABLE IV

## X-RAYS

<u>Month</u>	<u>Students</u>		<u>Non-Students</u>	<u>Totals</u>
	<u>Men</u>	<u>Women</u>		
July	67	17	99	183
August	11	83	94	188
September	2817	633	81	3531
October	1015	129	96	1240
November	369	120	104	593
December	1207	71	112	1390
January	297	40	98	435
February	666	104	112	882
March	32	9	130	171
April	20	17	226	263
May	60	8	186	254
June	1410	108	272	1790
Totals	7971	1339	1610	10920

V. Mental Hygiene

For the months of July and August, 1946, the Health Service psychiatrist was employed on a half time basis. Commencing with September 1, 1946, he was employed full time. By mid-year the requests for psychiatric service had passed the point which could be adequately dealt with by one psychiatrist.

The psychiatric service included the diagnosis of a number of cases of psychoses or major mental breakdowns. These were usually referred for hospitalization in a mental hospital as in most cases adequate treatment is impossible in an out-patient clinic.

The largest problem of the mental health service has been that of the psychoneuroses, psychiatric illnesses of more limited effect, expressed through anxiety, physical symptoms, excessive fatigue or compulsive habits without loss of contact with reality. Most of the treatment work undertaken was with such cases.

In order that persons coming for psychiatric counsel might feel free to discuss their problems, a policy of strict observance of professional confidence is maintained. In some instances, there are administrative





referrals of students by the Disciplinary Committee or other official university sources, cases in which a report is expected. In these cases the patient understands that the purpose of the examination is the making of a report.

The areas of tension and conflict which occasion problems of mental hygiene for students at the University of Illinois are extremely varied, but many of them may be grouped under the following headings:

- (1) Tensions relating to scholastic work and the question of success or survival in the University.
- (2) Tensions relating to questions of emotional emancipation from child-parent relationships and the attainment of adult status.
- (3) Tensions relating to problems of relationships with the opposite sex, or to the problem of sex itself.
- (4) Tensions relating to readjustment to the University after service in the armed forces which is a major additional source of difficulty.
- (5) Tensions relating to problems of parenthood due to the presence of a large veteran group.

Adequate provision for mental health at the University of Illinois, obviously, requires much more than the employment of a University Psychiatrist.

(R. L. Jenkins, M. D.)

#### COMMUNICABLE DISEASE

##### I. Students

The incidence of communicable disease in the student body showed an increase over last year; the total cases in 1946-47 were 249, and in 1945-46 were 226.

THESE THINGS ARE NOT TO BE TAKEN AS A CHALLENGE TO THE  
EXISTING ORDER OF THINGS IN THE WORLD. IN THE PAST  
THEY HAVE BEEN TAKEN AS SUCH AND THE RESULT HAS BEEN  
A STATE OF ANARCHY.

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TABLE V

Incidence of Communicable Disease in  
the Student Body for the Biennium 1945-47

	<u>1945-46</u>	<u>1946-47</u>
Chancroid	-	4
Chickenpox	12	7
Conjunctivitis, Acute	81	135
Dysentery	-	4
German Measles	7	-
Impetigo Contagiosa	28	11
Influenza	-	8
Malaria	-	12
Measles	1	2
Mumps	17	5
Pneumonia	-	1
Poliomyelitis		
acute anterior	-	3
Scabies	21	31
Scarlet fever	6	1
Streptococcus sorethroat	-	6
Vincent's Angina	<u>53</u>	<u>20</u>
Totals	226	249

## II. Faculty and Civil Service Employees

Occurrence of communicable diseases in the families of faculty members and Civil Service employees was reported as follows: 11 cases of chickenpox, 7 of mumps, 2 of scarlet fever, and 2 of influenza.

### VACCINATIONS AND IMMUNIZATIONS

Typhoid fever and smallpox vaccines were furnished free by the State Department of Health. These biologicals were used to immunize students, employees, and others who wished to serve food on University property.

TABLE VI

#### Immunization for Communicable Diseases

<u>Disease</u>	<u>Number of Persons</u>
Influenza	5351
Smallpox	425
Typhoid fever	489
Total	<u>6265</u>



## COOPERATION WITH OTHER DEPARTMENTS

### I. Military Science and Physical Education

#### A. Military Classification

During the year, 112 men were excused from Military permanently, and 39 men were excused temporarily.

#### B. Physical Education Classification

During the year, 101 men and 134 women were excused from regular Physical Education permanently, and 45 men and 140 women were deferred temporarily. Only 2 men entered regular Physical Education from adapted exercises, 23 women and 9 men dropped regular Physical Education and added specified Physical Education, and 106 students changed type of Physical Education temporarily.

In specified Physical Education, 99 students were excused permanently and 34 students were deferred temporarily. The number of students that added specified Physical Education was 128.

Students suffering from certain forms of dermatitis, sinusitis, infection of the middle ear, or perforation of the eardrum were transferred from swimming to forms of exercise less likely to aggravate their condition. A total of 626 recommendations were made to change students from one type of Physical Education to another or for modification of the exercise they were taking.

## INSTRUCTION IN HYGIENE

Compilation of the results of 2,071 questionnaires filled out by freshmen registered in Hygiene 2 and 5 revealed that only 74 teachers in hygiene in high schools attended by those students gave full-time instruction in health education. The greater percentage taught the subject as a "side line". The state of Illinois is still far behind in having its teaching of hygiene and sanitation of a quality comparable to their importance to the individual, to his community, and to the state.





The survey (see Appendix H) reveals, furthermore, that students who do not attend college do not receive sufficient training in high schools in personal health, nutrition, sanitation, the control of communicable disease, and healthful living to meet intelligently the demands of our highly complex society. The seriousness of this situation becomes apparent when we recall that 25 per cent of 18-year-old men are rejected for general military service. About 25 per cent of those graduating from high school attend institutions of higher learning, and as science can only be applied to the general welfare in a democracy by support of the people, this educational deficiency assumes the aspects of a menace in a world where new records for rapid transportation are being made almost weekly and world-wide travel is commonplace.

### I. Proficiency Examination

A total of 83 students passed the proficiency test in Hygiene and received credit in the subject. Their distribution by colleges is given in Table VII.

TABLE VII

Classification of Those Who Passed  
Hygiene 2 and 5 Proficiency Examinations  
by Colleges

Liberal Arts and Sciences	63
Engineering	6
Fine and Applied Arts	5
Agriculture	4
Commerce	4
Physical Education	1
Total	83

### II. Hygiene 2 and 5. Elementary Hygiene and Sanitation

The registration in elementary hygiene and sanitation is given in the following table.

TABLE VIII

<u>Period</u>	Hygiene 2	Hygiene 5	<u>Total</u>
	<u>Women</u>	<u>Men</u>	
First Semester	665	684	1349
Second Semester	391	533	924
Totals	1056	1217	2273





There were 14 sections the first semester, and 12 the second semester for men; 13 the first semester and 11 the second semester for women.

### III. Hygiene 10, For Coaches and Teachers

The advanced course in hygiene for coaches, physical education majors, and teachers had a total registration for the year of 225 students.

### IV. Hygiene 16, For Occupational Therapy Students

A total of 13 students who were enrolled in the Occupational Therapy curriculum received special instruction in hygiene during the past academic year.

### V. Hygiene X3, Extension Course

In cooperation with the Director of the University Extension Service, a correspondence course in hygiene has been offered, which had a registration of 54 students. The quality of work presented by those taking it is most satisfactory. This training should better prepare them to protect themselves and their families and to function more intelligently as citizens interested in improving living conditions in their community.

## SANITATION

Immediate attention has been given to reports which have been received concerning the condition of University food distributing agencies, swimming pools, and water supply. All of these have been well supervised by an able Sanitary Engineer and maintained at a high level of sanitation.

## FIRST AID CABINETS

A total of 175 first-aid cabinets are being maintained in the various buildings on the campus. They are much used and are visited weekly or twice weekly, depending upon their location and use, to replace supplies as needed.

## SPECIAL SERVICE AT UNIVERSITY EVENTS

It has been customary for a number of years for members of the Health Service Staff upon request to attend certain University functions



in order to render emergency medical treatment if necessary. This service is given at the Physical Education Tournaments, Farm and Home Week Programs, Commencement Exercises, and certain sports events.

In cooperation with other departments, the offices of the Health Service were also made available in emergencies to guests of the University. Its facilities were offered to those attending Farm and Home Week, 4-H Club Conventions, and short courses given by the University.

#### STATE LABORATORY SERVICE

Various laboratory services were given to students and Civil Service employees as a part of the routine work of the Health Service. In many instances, these tests were essential either in making effective the regulations of the University concerning foodhandlers or in diagnosing and controlling communicable disease. Bacteriological tests (see Table III) were made by the Branch Laboratory of the State Department of Health on specimens submitted by members of the medical staff of the Health Service. It is a pleasure to acknowledge our indebtedness to it.

#### REQUESTS FOR INFORMATION

A total of 31 citizens of the State have requested information on various aspects of public health. Requests were also received for reprints of articles by members of the Department and for copies of forms used by the Health Service. Questionnaires from numerous sources have been many, varied, and often quite comprehensive. This form of survey seems to be increasing in popularity and in the demand it makes upon the time of those individuals requested to fill it out.

#### THE GENERAL PRACTITIONER AND THE HEALTH SERVICE

The Medical Staff of the Health Service has had the most helpful cooperation of local and family physicians in caring for students and injured employees. A total of 380 letters and memoranda have been received





concerning the physical condition of students and employees who are or have been patients of these doctors.

### HOSPITALIZATION

The number of students admitted to local hospitals during the academic year was 4,526. Of this number, 4,083 were sent to the hospital by local doctors, and 443 went directly from the Health Service Station. The 443 who were sent to the hospitals from the Health Service Station chose 82 different doctors to attend them.

Sickness insurance was available to all students during 1946-47 to cover both medical and hospital care, as a result of its cost being made a regular University fee.

#### I. The Student Body

The facilities of the McKinley Hospital are a great insurance for the student body. A total of 4,121 students were admitted to the Hospital for 13,146 days, an average of 3.19 days per patient.

Of all the students hospitalized, 91.05 per cent were admitted to McKinley Hospital and only 8.95 per cent to other hospitals.

From Table IX, it will be seen that 965 students were admitted to the McKinley Hospital for communicable disease and remained for a total of 4,095 days or an average stay of 4.24 days per patient. The common cold caused 93.29 per cent of the cases and about 65 per cent of the hospital days. Influenza was second in incidence with 167 cases and 584 patient days. There were 3 cases of scarlet fever with a total of 43 hospital days.

**TABLE IX**

Student Cases of Communicable  
Disease Cared for at  
McKinley Hospital

<u>Disease</u>	<u>Cases</u>	<u>Days</u>
Angina, Vincent's	1	6
Chickenpox	10	115
Coryza	736	2680
Diarrhea	1	1



TABLE IX (concluded)

Student Cases of Communicable  
Disease Cared for at  
McKinley Hospital

<u>Disease</u>	<u>Cases</u>	<u>Days</u>
Influenza	167	584
Malaria	1	2
Measles	15	111
Measles, German	2	11
Mumps	16	148
Pneumonia	8	264
Rheumatic fever, acute	5	130
Scarlet fever	3	43
Totals	<u>965</u>	<u>4095</u>

## II. Civil Service Employees

During the year, University employees suffered 519 accidents in the line of duty. It was necessary to have 86 roentgenograms made in order to determine the presence or absence of bone damage. Of those injured, 362 required only minor surgical attention and 157 were referred to outside surgeons or specialists for prolonged treatment. It was necessary to hospitalize 18 employees.

## III. Local Hospitals

There were 145 students admitted to the Mercy Hospital for a total of 580 days, an average stay of 4; to the Burnham Hospital 260 for 1,001 days, or 3.85 per student. Students who enter the local hospitals usually do so for surgical treatment and, therefore, remain longer on the average than in the McKinley Hospital.





APPENDIX A

TYPES OF MEDICAL ATTENTION TO STUDENTS AND EMPLOYEES







TABLE III

## CLASSIFICATION OF INJURIES TO CIVIL SERVICE EMPLOYEES FOR FIVE YEARS

	<u>1942-43</u>	<u>1943-44</u>	<u>1944-45</u>	<u>1945-46</u>	<u>1946-47</u>
Abrasions	8	8	4	8	6
Bites	-	-	-	1	1
Blisters	-	-	2	2	1
Bruise	-	2	6	4	7
Burns, acid	1	-	1	1	-
others	8	23	-	11	15
Contusions	31	49	8	15	21
Foreign body, removed	14	-	5	4	6
Fractures	-	1	-	-	1
Incisions	4	17	2	8	7
Infections	8	18	9	5	9
Injuries	14	19	4	3	22
Lacerations	33	21	11	15	41
Sprain and strain	19	23	7	12	14
Wound	9	-	1	8	6
Incised	-	-	-	-	1
Perforated	-	-	-	-	7
Puncture	1	3	-	1	1
Miscellaneous	3	-	-	-	-

TABLE IV

## LABORATORY EXAMINATIONS

	<u>Positive</u>	<u>Negative</u>	<u>Total</u>
Bacteriological examination of excreta	2	334	336
Kahn test for syphilis	15	1942	1957
Malaria blood smears	2	6	8
Smear, Vincent's Angina	78	78	156
Sputum for tuberculosis	3	162	165
Streptococci	-	1	1
Throat cultures, diphtheria	-	8	8
Urethral smears	6	49	55
Urinalyses	211	8266	8477



TABLE V

## CASES CARED FOR AT MCKINLEY HOSPITAL

	Communicable		Non-Communicable		Total	
	Cases	Days	Cases	Days	Cases	Days
July	9	47	140	572	149	619
August	6	37	157	459	163	495
September	14	38	182	519	196	557
October	74	241	458	1333	533	1574
November	83	294	324	895	417	1189
December	89	327	234	769	323	1096
January	75	313	255	727	330	1040
February	169	573	282	946	451	1519
March	234	919	452	1342	686	2261
April	52	231	344	960	396	1191
May	52	191	293	771	335	967
June	6	35	136	603	142	638
Totals	863	3246	3257	9896	4121	13146

TABLE VI

## AVERAGE HOSPITAL STAY

Percentage of Students Using Hospitals (McKinley, Burnham, Mercy)

<u>Year</u>	<u>Average Hospital Stay</u>	<u>Per cent of Students Using Hospitals</u>
1941-42	3.51	25.50
1942-43	3.68	23.80
1943-44	3.30	35.40
1944-45	3.52	38.98
1945-46	3.50	17.98
1946-47	3.25	20.54





TABLE VII

## COMMUNICABLE DISEASES CARED FOR AT MCKINLEY HOSPITAL

	1944-45		1945-46		1946-47	
	Cases	Days	Cases	Days	Cases	Days
Angina	1	4	2	22	1	6
Chickenpox	2	30	10	82	10	115
Diphtheria	-	-	-	-	-	-
Influenza	4	7	4	25	6	28
La grippe	56	174	351	1515	161	556
Malaria	-	-	10	21	-	-
Measles	9	159	5	36	15	111
Measles, German	1	6	9	58	2	11
Mumps	6	59	17	175	16	148
Pneumonia	1	17	8	138	8	264
Scarlet fever	16	324	5	70	3	43
Totals	96	780	421	2142	222	1282

TABLE VIII

## ELEMENTARY HYGIENE

	<u>Number of students</u>	<u>Number of sections</u>
Hygiene 2		
Women, First Semester	665	13
Women, Second Semester	391	11
Hygiene 5		
Men, First Semester	684	14
Men, Second Semester	533	12

## ADVANCED HYGIENE

	<u>Number of students</u>	<u>Number of sections</u>
Hygiene 10		
First semester	47	1
Second semester	178	3



TABLE VIII (Concluded)

## HYGIENE FOR OCCUPATIONAL THERAPY STUDENTS

	<u>Number of students</u>	<u>Number of sections</u>
Hygiene 16		
Women, Second Semester	13	1

## HYGIENE EXTENSION

	<u>Number of students</u>	<u>Number of sections</u>
Hygiene X3		
Men, First Semester	29	1
Men, Second Semester	25	1



APPENDIX B  
FAMILY HISTORY OF INHERITABLE DISEASES





TABLE I

## FAMILY HISTORY OF INHERITABLE DISEASES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Apoplexy	.16	.49	3	.05	9	.54	12	.17
Cancer	5.97	12.99	369	6.76	239	14.30	608	8.53
Goiter	1.46	4.14	73	1.34	89	5.33	162	2.27
Mental								
Disturbances	.26	.72	18	.33	18	1.03	36	.50
Diabetes	3.22	8.39	232	4.25	124	7.42	356	4.99
Kidney Disease	.59	1.86	34	.62	33	1.97	67	.94
Epilepsy	.13	.46	6	.11	7	.42	13	.18
Tuberculosis	2.78	6.76	183	3.35	105	6.28	288	4.04

TABLE II

## INJURIES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Head	3.40	1.37	132	2.42	36	2.15	168	2.36
Chest	.90	.19	47	.86	3	.18	50	.70
Abdomen	.20	.38	13	.24	2	.12	15	.21
Arm	8.42	5.62	358	6.56	66	3.95	424	5.95
Leg	6.10	4.10	251	4.60	53	3.17	304	4.26
Others	7.69	2.20	524	9.60	72	4.31	596	8.36

TABLE III

## OPERATIONS

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Head								
Tonsils	27.63	40.71	1407	25.78	620	37.10	2027	28.43
Adenoids	3.82	5.13	156	2.86	82	4.91	238	3.34
Others	3.68	3.41	204	3.74	109	6.52	313	4.39
Chest	.18	.04	4	.07	2	.12	6	.08
Abdomen	10.37	12.00	590	10.81	151	9.04	741	10.39
Circumcision	.28	-	21	.38	-	-	21	.38
Others	10.17	3.15	540	9.90	13	.78	553	7.76



TABLE IV

## USE OF TEA, COFFEE, AND TOBACCO

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Tea	26.97	42.27	1202	22.02	646	38.66	1848	25.92
Coffee	61.51	54.69	3113	57.04	933	55.83	4046	56.75
Tobacco	55.88	34.52	2951	54.07	538	32.20	3489	48.94
None of the 3	33.21	20.77	1136	20.81	226	13.53	1362	19.11

TABLE V

## SLEEPING HABITS

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Under 6 hrs.	.51	1.06	33	.60	8	.48	41	.58
6 to 7 hrs.	16.44	23.55	979	17.94	357	21.36	1336	18.74
8 to 9 hrs.	78.85	72.05	4301	78.80	1246	74.57	5547	77.81
10 hrs. and over	4.20	2.96	145	2.66	60	3.59	205	2.88

TABLE VI

## STUDENTS GIVING HISTORIES OF TYPHOID FEVER

Class of 1937	2.28	Class of 1944	.77
Class of 1938	2.57	Class of 1945	1.08
Class of 1939	1.46	Class of 1946	.77
Class of 1940	1.14	Class of 1947	.37
Class of 1941	.69	Class of 1948	.57
Class of 1942	.94	Class of 1949	.33
Class of 1943	.94	Class of 1950	.38



TABLE VII

RELATIVE OCCURRENCE OF CERTAIN DISEASES IN HISTORIES OF THE CLASS  
OF 1950

	Class of 1949		Class of 1950					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Appendicitis	11.83	14.96	523	9.58	216	12.93	739	10.37
Asthma	2.61	2.47	118	2.16	52	3.11	170	2.38
Chickenpox	46.81	69.57	2439	44.69	1010	60.44	3449	48.38
Chorea	.15	.23	3	.05	5	.30	8	.11
Constipation	.90	4.60	54	.99	63	3.77	117	1.64
Diabetes	.26	.11	11	.20	4	.24	15	.21
Diphtheria	2.81	2.70	128	2.35	27	1.62	155	2.17
Discharging Ear	5.40	5.66	258	4.73	80	4.79	338	4.74
Dysentery	3.89	.76	148	2.71	12	.72	160	2.24
Epilepsy	.13	-	-	-	-	-	-	-
Heart Trouble	2.92	1.94	106	1.94	39	2.33	145	2.03
Hay Fever	5.56	13.14	343	6.28	167	10.00	510	7.15
Hernia(rupture)	3.94	.65	197	3.61	1	.06	198	2.78
Infantile								
Paralysis	.62	.61	38	.70	15	.90	53	.74
Influenza	10.55	16.06	606	11.10	298	17.83	904	12.68
Kidney Trouble	1.53	3.46	68	1.25	55	3.29	123	1.73
Malaria	4.13	1.29	147	2.69	37	2.21	184	2.58
Measles	62.90	86.18	3485	63.85	1370	81.99	4835	67.82
Measles, German	35.85	37.87	1198	21.95	585	35.01	1783	25.01
Meningitis	.54	.30	21	.38	5	.30	26	.36
Mumps	46.91	55.26	2655	48.64	873	52.24	3528	49.49
Nervous								
Breakdown	.75	.65	12	.22	7	.42	19	.27
Pleurisy	1.39	1.63	67	1.23	30	1.80	97	1.36
Pneumonia	9.86	13.79	516	9.45	169	10.11	685	9.61
Rheumatism	1.85	2.85	70	1.28	34	2.03	104	1.46
Scarlet fever	18.41	41.70	909	16.65	306	18.31	1215	17.04
Sinusitis	4.53	6.49	192	3.52	79	4.73	271	3.80
Smallpox	4.86	3.11	222	4.07	29	1.74	251	3.52
Tonsillitis	21.56	31.79	1225	22.44	474	28.37	1699	23.83
Trachoma	.18	.04	4	.07	2	.12	6	.08
Tuberculosis	.36	.49	16	.29	4	.24	20	.28
Typhoid Fever	.62	.46	21	.38	19	1.14	40	.56
Undulant Fever	.20	.30	11	.20	5	.30	16	.22
Whooping Cough	34.18	58.45	2019	36.99	976	58.41	2995	42.01
Others	2.20	3.90	106	1.94	30	1.80	136	1.91
IMMUNIZATIONS								
Diphtheria	81.85	51.20	4560	83.55	837	50.09	5397	75.70
Scarlet fever	73.40	26.59	4090	74.94	395	23.64	4485	62.91
Smallpox	96.80	49.90	4780	87.58	1061	63.49	5841	81.93
Typhoid fever	80.43	23.36	4396	80.54	416	24.90	4812	67.50
TESTS								
Schick	76.00	43.37	4380	80.25	650	38.90	5030	70.56
Dick	72.50	22.83	4029	73.82	336	20.11	4365	61.23







TABLE VIII

## GENERAL DEVELOPMENT

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Excellent	.28	2.85	51	.93	55	3.29	106	1.49
Good	98.18	89.51	5349	98.00	1447	86.59	6796	94.95
Fair	1.46	7.18	52	.95	167	9.99	219	3.07
Poor	.08	.34	6	.11	2	.12	8	.11
Build								
Stocky	4.71	9.79	285	5.22	110	6.58	395	5.54
Medium	88.71	61.45	4721	86.50	929	55.60	5650	79.25
Slender	6.58	28.75	452	8.28	632	37.82	1084	15.21

TABLE IX

## COLOR OF EYES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Blue	41.84	36.57	2416	44.27	634	37.94	3050	42.78
Gray	3.92	3.11	265	4.86	84	5.03	349	4.90
Greenish	8.11	9.61	155	2.84	166	9.93	321	4.50
Hazel	13.04	11.13	583	10.68	200	11.97	783	10.98
Brown	37.75	38.32	1984	36.35	573	34.29	2557	35.87
Black	.92	.49	55	1.01	14	.84	69	.97

TABLE X

## COLOR OF HAIR

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Flaxen	3.15	9.57	218	3.99	139	8.32	357	5.01
Reddish	2.43	4.03	113	2.07	61	3.65	174	2.44
Light Brown	23.31	21.23	1267	23.21	418	25.01	1685	23.64
Brown	42.41	47.70	1037	19.00	589	35.25	1375	19.28
Dark Brown	19.28	27.80	2268	41.55	338	20.22	2857	40.08
Black	9.94	6.34	553	10.13	120	7.18	673	9.44
Gray	-	-	2	.04	6	.36	8	.11



TABLE XI

## TEETH

	Class of 1949		Class of 1950					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Cavities	1.33	41.40	48	.83	718	42.97	766	10.74
Absent	67.94	36.99	2130	3.90	752	45.00	2882	40.43
Need Cleaning	.07	2.70	7	.13	25	1.50	32	.45
Diseased Gums	.02	.42	3	.05	4	.24	7	.10
No cavities, none absent	30.48	36.12	3008	55.11	335	20.05	3343	46.89
Teeth devitalized	.02	.83	1	.02	18	1.08	19	.27

TABLE XII

## ABNORMALITIES OF THE HEART

	Class of 1949		Class of 1950					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormalities	.89	1.90	32	.59	33	1.97	65	.91
Irregular pulse	.05	.38	1	.02	-	-	1	.01

TABLE XIII

## THYROID ENLARGEMENT

	Class of 1949		Class of 1950					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Enlarged								
Slight	.02	5.59	1	.02	107	6.40	108	1.51
Moderate	.05	.61	-	-	15	.90	15	.21
Marked	-	.11	-	-	-	-	-	-
Evidence of toxicity	.07	.19	4	.07	13	.78	17	.24



TABLE XIV

## CHEST AND LUNGS

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Lungs, abnormal	.18	.99	5	.09	16	.96	21	.29
Chest								
Flat	.66	2.77	29	.53	30	1.80	59	.83
Funnel	.15	2.73	3	.05	39	2.33	42	.59
Pigeon	-	3.42	4	.07	61	3.65	65	.91

TABLE XV

## CONDITION OF ABDOMINAL WALLS

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Abnormal	.20	.53	19	.35	1	.06	20	.28
Hernia	.51	.46	15	.27	5	.30	20	.28

TABLE XVI

## INCIDENCE OF ENLARGED LYMPH GLANDS

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Epitrochlear	-	.57	3	.05	1	.06	4	.06
Axillary	-	1.03	3	.05	20	1.20	23	.32
Cervical	.02	4.29	1	.02	2	.12	3	.04
Inguinal	.67	1.75	1	.02	9	.54	10	.14

TABLE XVII

## HERNIA IN MEN

Class of 1937	1.19	Class of 1944	.69
Class of 1938	1.16	Class of 1945	.76
Class of 1939	.76	Class of 1946	.73
Class of 1940	.70	Class of 1947	2.11
Class of 1941	1.20	Class of 1948	.48
Class of 1942	1.20	Class of 1949	3.94
Class of 1943	.90	Class of 1950	3.61





TABLE XVIII

## GENITO-URINARY ORGANS

	<u>Class of 1949</u>	<u>Class of 1950</u>	
	%	No.	%
Testes Abnormal	.28	42	.77
Circumcision	48.68	2816	51.59

TABLE XIX

## CRYPTORCHIDISM

Class of 1937	.32	Class of 1944	.67
Class of 1938	.43	Class of 1945	2.55
Class of 1939	.03	Class of 1946	.40
Class of 1940	.29	Class of 1947	.44
Class of 1941	.18	Class of 1948	.26
Class of 1942	.18	Class of 1949	.28
Class of 1943	.83	Class of 1950	.77

TABLE XX

## URINALYSIS

	<u>Class of 1949</u>		<u>Class of 1950</u>				<u>Total</u>	
	<u>Men</u>	<u>Women</u>	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	%	%	No.	%	No.	%	No.	%
Acid	85.10	80.21	4545	83.27	1270	76.00	5815	81.57
Alkaline	14.90	9.19	912	16.71	272	16.28	1184	16.61
Neutral	-	-	1	.02	31	1.87	34	.48
Sugar	.43	1.03	6	.11	-	-	6	.08
Albumin	1.80	3.84	35	.64	15	.90	50	.70





TABLE XXI

## GLYCOSURIA AND ALBUMINURIA OVER A PERIOD OF YEARS

	Sugar		Albumin	
	Men	Women	Men	Women
	%	%	%	%
Class of 1937	.52	-	4.97	1.15
Class of 1938	.86	2.13	4.59	3.66
Class of 1939	.42	.59	4.94	4.69
Class of 1940	.43	.78	6.06	2.47
Class of 1941	.13	4.81	3.74	6.24
Class of 1942	.11	1.38	1.42	4.51
Class of 1943	-	.37	.09	.97
Class of 1944	.40	1.81	3.65	4.95
Class of 1945	.31	.22	2.62	6.00
Class of 1946	.84	-	5.41	1.50
Class of 1947	1.20	1.54	1.88	2.52
Class of 1948	.74	.88	1.26	1.23
Class of 1949	.43	1.02	1.80	3.87
Class of 1950	.11	-	.64	.90

TABLE XXII

## FOOT ABNORMALITIES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Long Arches								
1st Degree	2.87	24.57	145	2.66	528	31.60	673	9.44
2nd Degree	3.82	10.10	234	4.29	206	12.33	440	6.17
3rd Degree	.97	7.56	16	.29	137	8.20	153	2.15
Anterior Arches								
flat	4.61	31.79	116	2.13	505	30.22	621	8.71
Abnormalities of feet	.03	-	1	.02	2	.12	3	.04



TABLE XXIII

## FOOT ABNORMALITIES OVER A PERIOD OF YEARS

	Long Arches				Anterior Arches Flat			
	1st Degree		2nd Degree		3rd Degree			
	Men	Women	Men	Women	Men	Women	Men	Women
	%	%	%	%	%	%	%	%
Class of 1940	7.84	27.83	2.26	9.95	1.08	2.08	10.29	29.01
Class of 1941	10.49	25.39	5.40	12.76	1.39	4.60	10.28	34.89
Class of 1942	9.92	27.21	5.49	10.94	1.62	2.70	9.78	2.96
Class of 1943	9.04	23.52	6.39	13.76	1.29	4.36	7.46	35.50
Class of 1944	12.55	25.03	10.12	12.62	1.73	4.95	14.97	32.07
Class of 1945	13.92	23.85	7.70	8.59	2.12	6.67	16.42	34.00
Class of 1946	11.69	28.24	5.64	9.79	.78	7.90	10.79	30.60
Class of 1947	14.33	35.26	10.11	8.57	1.73	1.79	16.83	39.98
Class of 1948	6.56	24.51	6.90	16.22	2.04	3.03	12.72	36.86
Class of 1949	3.41	24.57	3.82	10.10	1.13	7.56	4.61	32.17
Class of 1950	2.66	-	4.29	-	.29	-	2.14	-

TABLE XXIV

## SPINE ABNORMALITIES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Kyphosis	.21	1.97	35	.64	28	1.68	63	.88
Lordosis	.08	2.89	-	-	17	1.02	17	.24
Scoliosis	.28	9.95	33	.60	140	8.38	173	2.43

TABLE XXV

## NOSE ABNORMALITIES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Spur	.21	.15	4	.07	6	.36	10	.14
Deviated Septum	.18	13.52	43	.79	221	13.23	264	3.70
Atrophied	.03	-	-	-	-	-	-	-
Hypertrophy	.08	18.04	1	.02	197	11.79	198	2.78



TABLE XXVI

## THROAT ABNORMALITIES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Tonsils								
Removed	58.20	62.67	3193	58.50	1005	60.14	4198	58.89
Tags	.54	10.44	34	.62	112	6.70	146	2.05
Pathological	.46	11.93	41	.75	180	10.77	221	3.10

TABLE XXVII

## PERCENTAGE OF STUDENTS WITH TONSILS REMOVED OVER A PERIOD OF YEARS

	Men	Women		Men	Women
Class of 1937	45.30	52.10	Class of 1944	57.10	64.01
Class of 1938	52.19	57.19	Class of 1945	54.97	63.11
Class of 1939	49.20	56.26	Class of 1946	55.81	62.33
Class of 1940	46.59	57.54	Class of 1947	65.43	54.93
Class of 1941	51.51	59.71	Class of 1948	60.23	55.96
Class of 1942	50.00	59.62	Class of 1949	58.20	62.67
Class of 1943	48.55	46.52	Class of 1950	58.50	60.14

TABLE XXVIII

## EARS

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Perforated	.54	1.37	26	.48	18	1.08	44	.62
Cerumen	2.82	22.75	218	3.99	433	25.91	651	9.13
Hearing abnormal	.72	.68	263	4.82	11	.66	274	3.84







TABLE XXIX

## EYES

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormal								
Color Vision	.21	.04	6	.11	-	-	6	.08
Refraction								
O. D. only	2.54	5.69	92	1.69	121	7.24	213	2.99
O. S. only	3.71	4.90	142	2.60	99	5.92	241	3.38
O. D. & O. S.	7.55	29.20	715	13.10	437	26.15	1152	16.16
Corrected								
with glasses	16.77	23.81	820	15.02	382	22.86	1202	16.86

TABLE XXX

## POSTURE

	Class of 1949		Class of 1950				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Restricted								
flexibility	.07	2.47	12	.22	79	4.73	91	1.28
Excellent	.07	5.43	54	.99	55	3.29	109	1.53
Good	85.56	75.09	5325	97.56	1263	75.58	6588	92.41
Fair	1.10	20.93	75	1.37	338	20.22	413	5.79
Poor	.15	1.63	4	.07	15	.90	19	.27

TABLE XXXI

## INCIDENCE OF HISTORY OF VENEREAL DISEASE

	Men		Women		Total	
	No.	%	No.	%	No.	%
Gonorrhea	6	.11	-	-	6	.08
Syphilis	-	-	-	-	-	-



TABLE XXXII  
INCIDENCE OF VACCINATION SCARS

Class of 1950

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Arm	5246	1049	6295
Leg	26	438	464
None	186	184	370

TABLE XXXIII

SKIN DISEASES

Class of 1950

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Acne	103	464	567
Mycosis	32	66	98
Others	32	1	33



APPENDIX C  
SUMMARY OF MEDICAL HISTORIES





TABLE I  
SUMMARY OF MEDICAL HISTORIES

	<u>Men</u>	<u>Women</u>	<u>Class of '50 Total</u>	<u>Class of '49 Total</u>
Total number examined	5458	1671	7129	8728
Total number re-examined	13	-	13	-
Total number of visits	5426	2485	7911	-
Inheritable disease				
Apoplexy (family history)	3	9	12	23
Cancer ( " " )	369	239	608	706
Goiter ( " " )	73	84	157	198
Mental disturbances				
( " " )	18	18	36	35
Diabetes ( " " )	232	124	356	417
Epilepsy ( " " )	6	7	13	20
Kidney disease				
( " " )	34	33	67	85
Tuberculosis				
( " " )	183	105	288	348
Birthplace				
Illinois	3571	1140	4711	6117
Elsewhere	1887	531	2418	2611
Work for self-support				
during college	971	276	1247	1982
Use laxatives frequently	25	89	114	130
Sleep				
Under 6 hours	33	8	41	59
6-7 hours	979	357	1336	1622
8-9 hours	4301	1246	5547	6694
10 hours and over	145	60	205	343
Habits				
Coffee	3113	933	4046	5189
Tea	1202	646	1848	2757
Tobacco	2951	538	3489	4315
None of the three	1136	326	1462	2571
Age started smoking				
Younger than 10 years	-	-	-	6
10-14 years	56	55	111	90
15-19 years	2272	420	2692	3372
20-24 years	575	54	629	842
25 years and over	48	9	57	77
Meals per day				
One	-	-	-	4
Two	189	67	256	307
Three	5259	1603	6862	8264
More than three	10	1	11	52
Weight the past year				
Gained	1781	341	2122	2790
Lost	559	371	930	996
Stationary	3118	959	4077	4942



TABLE I (Continued)

	<u>Men</u>	<u>Women</u>	<u>Class of '50 Total</u>	<u>Class of '49 Total</u>
Easily fatigued	377	310	687	843
Menses				
Regular	-	1382	1382	2084
Irregular	-	289	289	546
Not Started	-	-	-	3
Pain				
Severe	-	305	305	308
Slight	-	576	576	1187
Subject to frequent colds in				
Nose	865	341	1206	1423
Throat	341	221	562	622
Lungs	71	79	150	161
When reading, bothered with				
Headaches	184	172	356	482
Blurring of vision	205	103	308	349
Burning of eyes	261	110	371	397
Squinting of eyes	141	63	204	463
Watering of eyes	164	64	228	301
Twitching of eyes	118	56	174	175
Persistently worry	162	109	271	238
Have the "blues"	144	141	285	315
Injuries				
Head	132	36	168	243
Chest	47	3	50	60
Abdomen	13	2	15	22
Arm	358	67	425	661
Leg	251	53	304	480
Others	524	72	596	537
Operations				
Head				
Tonsils	1407	620	2027	2756
Adenoids	156	82	238	368
Others	204	109	313	314
Chest	4	2	6	12
Abdomen	590	151	741	948
Circumcision	21	-	21	17
Others	540	13	553	703
Arches of feet painful	64	59	123	124
Possible reasons for not taking				
Physical Education	4195	94	4289	4693
Military Science	4077	-	4077	4506
Diseases had				
Appendicitis	523	216	739	1115
Asthma	118	52	170	224
Chickenpox	2439	1010	3449	4685
Chorea	3	5	8	15
Constipation	54	63	117	176
Diabetes	11	5	16	19



TABLE I (Concluded)

	<u>Men</u>	<u>Women</u>	<u>Class of '50</u> <u>Total</u>	<u>Class of '49</u> <u>Total</u>
Diseases had (Concluded)				
Diphtheria	128	27	155	242
Discharging ear	258	80	338	478
Dysentery	148	12	160	257
Epilepsy	-	-	-	8
Heart trouble	106	39	145	229
Hay fever	343	167	510	519
Hernia	197	1	198	257
Infantile paralysis	38	15	53	54
Influenza	606	298	904	1066
Kidney trouble	68	55	123	184
Malaria	147	37	184	286
Measles	3485	1350	4835	6103
Measles, German	1198	585	1783	3172
Meningitis	21	5	26	41
Mumps	2655	873	3528	4314
Nervous breakdown	12	7	19	63
Pleurisy	67	30	97	128
Pneumonia	516	169	685	964
Rheumatism	70	34	104	188
Scarlet fever	909	306	1215	1703
Sinusitis	192	79	271	447
Smallpox	222	29	251	378
Tonsillitis	1225	474	1699	2151
Trachoma	4	2	6	12
Tuberculosis	16	4	20	35
Typhoid fever	21	19	40	50
Undulant fever	11	5	16	20
Whooping cough	2019	976	2995	3622
Others	106	30	136	234
Immunizations				
Diphtheria	4560	837	5397	6337
Scarlet fever	4090	395	4485	5174
Smallpox	4780	1061	5841	7214
Typhoid fever	4396	416	4812	5517
Tests				
Schick	4380	650	5030	5765
Dick	4029	336	4365	5020





TABLE II  
SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Class of '50</u> <u>Total</u>	<u>Class of '49</u> <u>Total</u>
Color of hair				
Flaxen	218	139	357	444
Reddish	113	61	174	254
Light brown	1267	418	1685	1860
Dark brown	1037	338	1375	1807
Brown	2268	589	2857	3589
Black	553	120	673	773
Gray	2	6	8	1
Color of eyes				
Black	55	14	69	69
Blue	2416	634	3050	3513
Gray	265	84	349	461
Greenish	155	166	321	447
Hazel	583	200	783	928
Brown	1984	573	2557	3310
Vision abnormal without glasses				
Both eyes	715	437	1152	1229
Right eye (O. D.)	92	121	213	305
Left eye (O. S.)	142	99	241	355
Corrected with glasses	1020	382	1402	1649
Color vision abnormal	6	-	6	14
Ears				
Right ear				
Cerumen	109	214	323	442
Perforated drum	18	6	24	37
Hearing abnormal	221	8	229	38
Left ear				
Cerumen	107	219	326	429
Perforated drum	8	12	20	32
Hearing abnormal	42	3	45	24
Nose				
Spur	4	6	10	17
Deviation	43	221	264	367
Chronic hypertrophy	1	197	198	480
Atrophy	-	-	-	1
Tonsils				
Removed	3193	1005	4198	5197
Tags	34	112	146	308
Pathological	41	180	221	342
Teeth				
No cavities or absent	3008	335	3343	2809
Cavities	48	718	766	1171
Absent	2130	752	2882	5115
Need cleaning	7	25	32	75
Deviatlized	1	18	19	23
Gums diseased	3	4	7	12



TABLE II (Continued)

	<u>Men</u>	<u>Women</u>	<u>Class of '50 Total</u>	<u>Class of '49 Total</u>
Skin				
Acne	103	464	567	589
Mycosis	32	66	98	277
Other skin diseases	32	1	33	22
Vaccination scar				
Arm	5246	1049	6295	7444
Leg	26	438	464	708
None	186	184	370	595
General development				
Excellent	51	55	106	92
Good	5349	1447	6796	8341
Fair	52	167	219	278
Poor	6	2	8	14
Build				
Stocky	285	110	395	545
Medium	4721	929	5650	7025
Slender	452	632	1084	1158
Chest				
Flat	29	30	59	113
Funnel	3	39	42	81
Pigeon	4	61	65	90
Vertebral column				
Kyphosis	35	28	63	65
Lordosis	-	17	17	81
Scoliosis	33	140	173	279
Posture				
Excellent	54	55	109	147
Good	5325	1263	6588	7992
Fair	75	338	413	618
Poor	4	15	19	52
Restricted flexibility	12	79	91	69
Lymph nodes				
Axillary	3	1	4	27
Cervical	3	20	23	114
Epitrochlear	1	2	3	15
Inguinal	1	9	10	87
Thyroid				
Enlarged				
Slight	1	107	108	148
Moderate	-	15	15	19
Marked	-	-	-	3
Evidence of toxicity	4	13	17	9
Lungs, abnormal	5	16	21	37
Heart, abnormal	32	33	65	104
irregular pulse	1	-	1	13

Year	1980	1981	1982	1983	1984
1980	1980	1980	1980	1980	1980
1981	1981	1981	1981	1981	1981
1982	1982	1982	1982	1982	1982
1983	1983	1983	1983	1983	1983
1984	1984	1984	1984	1984	1984
1985	1985	1985	1985	1985	1985
1986	1986	1986	1986	1986	1986
1987	1987	1987	1987	1987	1987
1988	1988	1988	1988	1988	1988
1989	1989	1989	1989	1989	1989
1990	1990	1990	1990	1990	1990
1991	1991	1991	1991	1991	1991
1992	1992	1992	1992	1992	1992
1993	1993	1993	1993	1993	1993
1994	1994	1994	1994	1994	1994
1995	1995	1995	1995	1995	1995
1996	1996	1996	1996	1996	1996
1997	1997	1997	1997	1997	1997
1998	1998	1998	1998	1998	1998
1999	1999	1999	1999	1999	1999
2000	2000	2000	2000	2000	2000
2001	2001	2001	2001	2001	2001
2002	2002	2002	2002	2002	2002
2003	2003	2003	2003	2003	2003
2004	2004	2004	2004	2004	2004
2005	2005	2005	2005	2005	2005
2006	2006	2006	2006	2006	2006
2007	2007	2007	2007	2007	2007
2008	2008	2008	2008	2008	2008
2009	2009	2009	2009	2009	2009
2010	2010	2010	2010	2010	2010
2011	2011	2011	2011	2011	2011
2012	2012	2012	2012	2012	2012
2013	2013	2013	2013	2013	2013
2014	2014	2014	2014	2014	2014
2015	2015	2015	2015	2015	2015
2016	2016	2016	2016	2016	2016
2017	2017	2017	2017	2017	2017
2018	2018	2018	2018	2018	2018
2019	2019	2019	2019	2019	2019
2020	2020	2020	2020	2020	2020
2021	2021	2021	2021	2021	2021
2022	2022	2022	2022	2022	2022
2023	2023	2023	2023	2023	2023
2024	2024	2024	2024	2024	2024
2025	2025	2025	2025	2025	2025
2026	2026	2026	2026	2026	2026
2027	2027	2027	2027	2027	2027
2028	2028	2028	2028	2028	2028
2029	2029	2029	2029	2029	2029
2030	2030	2030	2030	2030	2030

TABLE II (Continued)

	<u>Men</u>	<u>Women</u>	Class of '50 <u>Total</u>	Class of '49 <u>Total</u>
Blood pressure, abnormal				
Systolic: 140-149	104	-	104	-
150-159	73	-	73	-
160-169	41	-	41	-
170-179	14	-	14	-
180-189	9	-	9	-
190-200	24	-	24	-
Diastolic: 90- 99	481	-	481	-
100-109	46	-	46	-
110-over	23	-	23	-
Abdomen, abnormal	19	1	20	26
Reflexes				
Patellar	2	36	38	34
Romberg	2	3	5	1
Pupillary	1	2	3	2
Penis, circumcised	2816	-	2816	2967
Testes, abnormal	42	-	42	17
Varicocele, present	15	-	15	43
Hernia, present	20	5	25	18
Hemorrhoids, present	15	-	15	11
Flat feet				
Long arches				
First degree	145	528	673	855
Second degree	234	206	440	499
Third degree	16	137	153	258
Anterior arches flat	116	505	621	1128
Abnormalities	1	2	3	2
Had venereal disease				
Gonorrhea	6	-	6	2
Syphilis	-	-	-	-
Chancroid	-	-	-	-
Obvious defects				
Amputations	21	1	22	35
Atrophies	10	1	11	8
Unusual scars	682	102	784	701
Deformities	23	21	44	49
Urine				
Acid	4545	1270	5815	7299
Alkaline	912	272	1184	1150
Neutral	1	31	32	-
Did not leave specimen	-	98	98	-
Albumin				
Persistent	9	3	12	76
Transitory	13	5	18	53
Unclassified	13	7	20	82
Sugar				
Persistent	4	-	4	10
Transitory	-	-	-	13
Unclassified	2	-	2	30

(continued)

Year	Value	Year	Value	Year	Value
1970	100	1971	100	1972	100
1973	100	1974	100	1975	100
1976	100	1977	100	1978	100
1979	100	1980	100	1981	100
1982	100	1983	100	1984	100
1985	100	1986	100	1987	100
1988	100	1989	100	1990	100
1991	100	1992	100	1993	100
1994	100	1995	100	1996	100
1997	100	1998	100	1999	100
2000	100	2001	100	2002	100
2003	100	2004	100	2005	100
2006	100	2007	100	2008	100
2009	100	2010	100	2011	100
2012	100	2013	100	2014	100
2015	100	2016	100	2017	100
2018	100	2019	100	2020	100
2021	100	2022	100	2023	100
2024	100	2025	100	2026	100
2027	100	2028	100	2029	100
2030	100	2031	100	2032	100
2033	100	2034	100	2035	100
2036	100	2037	100	2038	100
2039	100	2040	100	2041	100
2042	100	2043	100	2044	100
2045	100	2046	100	2047	100
2048	100	2049	100	2050	100
2051	100	2052	100	2053	100
2054	100	2055	100	2056	100
2057	100	2058	100	2059	100
2060	100	2061	100	2062	100
2063	100	2064	100	2065	100
2066	100	2067	100	2068	100
2069	100	2070	100	2071	100
2072	100	2073	100	2074	100
2075	100	2076	100	2077	100
2078	100	2079	100	2080	100
2081	100	2082	100	2083	100
2084	100	2085	100	2086	100
2087	100	2088	100	2089	100
2090	100	2091	100	2092	100
2093	100	2094	100	2095	100
2096	100	2097	100	2098	100
2099	100	2100	100	2101	100
2102	100	2103	100	2104	100
2105	100	2106	100	2107	100
2108	100	2109	100	2110	100
2111	100	2112	100	2113	100
2114	100	2115	100	2116	100
2117	100	2118	100	2119	100
2120	100	2121	100	2122	100
2123	100	2124	100	2125	100
2126	100	2127	100	2128	100
2129	100	2130	100	2131	100
2132	100	2133	100	2134	100
2135	100	2136	100	2137	100
2138	100	2139	100	2140	100
2141	100	2142	100	2143	100
2144	100	2145	100	2146	100
2147	100	2148	100	2149	100
2150	100	2151	100	2152	100
2153	100	2154	100	2155	100
2156	100	2157	100	2158	100
2159	100	2160	100	2161	100
2162	100	2163	100	2164	100
2165	100	2166	100	2167	100
2168	100	2169	100	2170	100
2171	100	2172	100	2173	100
2174	100	2175	100	2176	100
2177	100	2178	100	2179	100
2180	100	2181	100	2182	100
2183	100	2184	100	2185	100
2186	100	2187	100	2188	100
2189	100	2190	100	2191	100
2192	100	2193	100	2194	100
2195	100	2196	100	2197	100
2198	100	2199	100	2200	100



TABLE II (Concluded)

	<u>Men</u>	<u>Women</u>	Class of '50 <u>Total</u>	Class of '49 <u>Total</u>
Weight				
Below 100 pounds	5	77	82	114
100-115 pounds	61	449	510	648
116-130 "	388	611	999	980
131-145 "	1161	360	1521	578
146-160 "	1680	112	1792	199
161-175 "	1193	33	1226	61
176-190 "	627	19	646	32
191 and over	343	10	353	21
Height				
Below 50 inches	-	-	-	23
50-59 inclusive	6	40	46	244
60-62 "	19	368	387	721
63-65 "	281	838	1119	1530
66-68 "	1513	375	1888	2206
69-71 "	2395	49	2444	2487
72 and over	1244	1	1245	1239



1947-1948	1947-1948
1948-1949	1948-1949
1949-1950	1949-1950
1950-1951	1950-1951
1951-1952	1951-1952
1952-1953	1952-1953
1953-1954	1953-1954
1954-1955	1954-1955
1955-1956	1955-1956
1956-1957	1956-1957
1957-1958	1957-1958
1958-1959	1958-1959
1959-1960	1959-1960
1960-1961	1960-1961
1961-1962	1961-1962
1962-1963	1962-1963
1963-1964	1963-1964
1964-1965	1964-1965
1965-1966	1965-1966
1966-1967	1966-1967
1967-1968	1967-1968
1968-1969	1968-1969
1969-1970	1969-1970
1970-1971	1970-1971
1971-1972	1971-1972
1972-1973	1972-1973
1973-1974	1973-1974
1974-1975	1974-1975
1975-1976	1975-1976
1976-1977	1976-1977
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1979-1980	1979-1980
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2009-2010	2009-2010
2010-2011	2010-2011
2011-2012	2011-2012
2012-2013	2012-2013
2013-2014	2013-2014
2014-2015	2014-2015
2015-2016	2015-2016
2016-2017	2016-2017
2017-2018	2017-2018
2018-2019	2018-2019
2019-2020	2019-2020
2020-2021	2020-2021
2021-2022	2021-2022
2022-2023	2022-2023
2023-2024	2023-2024
2024-2025	2024-2025
2025-2026	2025-2026
2026-2027	2026-2027
2027-2028	2027-2028
2028-2029	2028-2029
2029-2030	2029-2030
2030-2031	2030-2031
2031-2032	2031-2032
2032-2033	2032-2033
2033-2034	2033-2034
2034-2035	2034-2035
2035-2036	2035-2036
2036-2037	2036-2037
2037-2038	2037-2038
2038-2039	2038-2039
2039-2040	2039-2040
2040-2041	2040-2041
2041-2042	2041-2042
2042-2043	2042-2043
2043-2044	2043-2044
2044-2045	2044-2045
2045-2046	2045-2046
2046-2047	2046-2047
2047-2048	2047-2048
2048-2049	2048-2049
2049-2050	2049-2050
2050-2051	2050-2051
2051-2052	2051-2052
2052-2053	2052-2053
2053-2054	2053-2054
2054-2055	2054-2055
2055-2056	2055-2056
2056-2057	2056-2057
2057-2058	2057-2058
2058-2059	2058-2059
2059-2060	2059-2060
2060-2061	2060-2061
2061-2062	2061-2062
2062-2063	2062-2063
2063-2064	2063-2064
2064-2065	2064-2065
2065-2066	2065-2066
2066-2067	2066-2067
2067-2068	2067-2068
2068-2069	2068-2069
2069-2070	2069-2070
2070-2071	2070-2071

APPENDIX D

SUMMARY OF MEDICAL HISTORIES DIVIDED BY

OUT OF STATE - RURAL - URBAN



TABLE I  
SUMMARY OF MEDICAL HISTORIES

	Out of State		Class of '50 Rural		Urban		Total		Class of '49
	Men	Women	Men	Women	Men	Women	Men	Women	
Total visits	1407	372	629	523	3394	1590	5426	2131	-
Total number examined	1217	260	563	267	3678	1144	5458	1671	8728
Total number re-examined	-	-	-	-	13	-	-	-	-
Inheritable diseases									
Apoplexy (family history)	-	2	1	-	2	7	3	9	23
Cancer ( " " )	93	36	46	48	230	155	369	239	706
Goiter ( " " )	11	11	8	33	54	40	73	89	198
Mental disturbances									
( " " )	2	1	4	4	12	13	18	18	35
Diabetes ( " " )	56	16	20	15	156	93	232	124	417
Epilepsy ( " " )	2	-	-	-	4	7	6	7	20
Kidney trouble									
( " " )	9	7	4	9	21	17	34	33	85
Tuberculosis									
( " " )	34	9	24	27	125	69	183	105	348
Birthplace									
Illinois	46	17	499	228	3026	895	3571	1140	6117
Elsewhere	1171	243	64	39	652	249	1887	531	2611
Work for self-support									
during college	269	54	121	64	581	158	971	276	1982
Use laxatives frequently	6	9	4	23	15	57	25	89	130
Sleep									
Under 6 hours	14	-	5	-	14	8	33	8	59
6-7 hours	254	63	89	49	636	245	979	357	1622
8-9 hours	907	185	436	207	2938	854	4301	1246	6703
10 hours and over	42	12	13	11	90	37	145	60	343
Habits									
Coffee	740	170	310	145	2063	618	3113	933	5189
Tea	364	106	96	105	742	435	1202	646	2757
Tobacco	671	93	237	59	2043	386	2951	538	4315
None of the three	194	23	187	72	755	231	1136	226	2571
Age started smoking									
Younger than 10 years	-	-	-	-	-	-	-	-	6
10-14 years	7	2	6	-	43	53	56	55	90
15-19 years	500	67	177	52	1595	301	2272	420	3295
20-24 years	154	20	50	6	371	28	575	54	842
25 and over	10	4	4	1	34	4	48	9	77
Meals per day									
One	-	-	-	-	-	-	-	-	4
Two	42	4	12	6	135	57	189	67	307
Three	1172	256	550	261	3537	1086	5259	1603	8264
More than three	3	-	1	-	6	1	10	1	52
Weight the past year									
Gained	331	48	182	66	1268	227	1781	341	2790
Lost	110	59	45	54	404	258	559	371	996
Stationary	776	153	336	147	2066	659	3118	959	4942
Easily fatigued	67	46	40	53	270	211	377	310	843



TABLE I (Continued)

	Class of '50		Class of '50		Urban		Total		Class of '49
	Out of State		Rural		Men	Women	Men	Women	
	Men	Women	Men	Women	Men	Women	Men	Women	
Subject to frequent colds in:									
Nose	150	44	141	53	574	244	865	341	1423
Throat	68	21	58	45	215	155	341	221	622
Lungs	17	9	8	26	46	44	71	79	161
When reading, bothered with:									
Headaches	37	21	38	32	109	119	184	172	482
Blurring of vision	51	8	31	21	123	74	205	103	349
Burning of eyes	58	12	44	14	159	84	261	110	397
Squinting of eyes	39	2	15	22	87	39	141	63	463
Watering of eyes	38	5	16	10	110	49	164	64	301
Twitching of eyes	28	9	8	14	82	33	118	56	175
Persistently worry	31	8	12	24	119	77	162	99	238
Have the "blues"	39	8	18	29	87	104	144	141	315
Injuries									
Head	41	2	13	12	78	22	132	36	243
Chest	6	-	1	-	40	3	47	3	60
Abdomen	1	1	-	-	12	1	13	2	22
Arm	85	13	38	11	235	42	358	66	661
Leg	61	4	20	12	170	37	251	53	480
Others	138	9	59	10	327	53	524	72	537
Operations: Head;									
Tonsils	234	95	155	89	1018	436	1407	620	2756
Adenoids	49	19	22	11	85	52	156	82	368
Others	71	17	17	13	116	79	204	109	314
Chest	1	2	1	-	2	-	4	2	12
Abdomen	114	28	66	25	410	98	590	151	948
Circumcision	3	-	3	-	15	-	21	-	17
Others	157	-	56	-	327	13	540	13	703
Arches of feet painful	6	14	9	21	49	24	64	59	124
Possible reasons for not taking:									
Physical Education	1008	9	384	25	2803	60	4195	94	4693
Military Science	1094	-	386	-	2597	-	4077	-	4506
Diseases had									
Appendicitis	82	34	65	32	376	150	523	216	1115
Asthma	18	11	14	6	86	35	118	52	224
Chickenpox	368	53	314	189	1757	768	2439	1010	4685
Chorea	2	2	-	1	1	2	3	5	15
Constipation	10	7	12	9	32	47	54	63	176
Diabetes	4	1	2	1	5	3	11	4	19
Diphtheria	24	9	16	4	88	14	128	27	242
Discharging ear	47	13	25	18	186	49	258	80	478
Dysentery	40	5	9	1	99	6	148	12	257
Epilepsy	-	-	-	-	-	-	-	-	8
Heart trouble	17	5	15	6	74	28	106	39	229
Hay fever	94	22	21	19	238	126	343	167	519
Hernia	34	-	16	1	147	-	197	1	257
Infantile paralysis	5	3	6	-	27	12	38	15	54







TABLE I (Concluded)

	Class of '50								Class of '49
	Out of State		Rural		Urban		Total		
	Men	Women	Men	Women	Men	Women	Men	Women	
Diseases had (concluded)									
Influenza	146	35	76	52	348	211	606	298	1066
Kidney trouble	16	9	13	9	39	37	68	55	184
Malaria	47	9	16	5	84	23	147	37	286
Measles	763	202	399	213	2323	935	3485	1350	6103
German measles	162	79	164	92	872	414	1198	585	3172
Meningitis	4	-	2	2	15	3	21	5	41
Mumps	578	127	336	145	1741	601	2655	873	4314
Nervous breakdown	6	2	-	2	6	3	12	7	63
Pleurisy	16	7	8	4	43	19	67	30	128
Pneumonia	124	24	56	23	336	122	516	169	964
Rheumatism	18	7	8	3	44	24	70	34	188
Scarlet fever	166	38	100	37	643	231	909	306	1703
Sinusitis	46	12	10	19	136	48	192	79	447
Smallpox	47	2	26	5	149	22	222	29	378
Tonsillitis	241	84	135	67	849	323	1225	474	2151
Trachoma	2	1	1	-	1	1	4	2	12
Tuberculosis	4	-	3	1	9	3	16	4	35
Typhoid fever	10	6	-	3	11	10	21	19	50
Undulant fever	-	2	4	-	7	3	11	5	20
Whooping cough	415	139	276	160	1328	677	2019	976	3622
Others	20	5	14	-	72	25	106	30	234
Immunizations									
Diphtheria	1063	116	486	162	3011	559	4560	837	6337
Scarlet fever	998	49	405	68	2667	278	4090	395	5174
Smallpox	1165	178	536	182	3079	701	4780	1061	7214
Typhoid fever	1032	84	421	80	2943	252	4396	416	5517
Tests									
Schick	949	28	475	154	2956	437	4380	650	5765
Dick	964	2	400	72	2665	236	4029	336	5020

TABLE II

## SUMMARY OF PHYSICAL EXAMINATIONS

	Class of '50								Class of '49
	Out of State		Rural		Urban		Total		
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	
Color of hair									
Gray	2	2	-	-	-	4	2	6	1
Flaxen	33	22	25	28	160	89	218	139	444
Reddish	30	7	13	19	70	35	113	61	254
Light brown	258	60	141	81	868	277	1267	418	1860
Dark brown	256	47	100	44	681	247	1037	338	1807
Brown	462	92	264	92	1542	405	2268	589	3589
Black	176	30	20	3	357	87	553	120	773



TABLE II (Continued)

	Out of State		Class of '50 Rural		Urban		Total		Class of '49
	Men	Women	Men	Women	Men	Women	Men	Women	
Color of eyes									
Blue	455	87	289	113	1672	434	2416	634	3513
Gray	61	16	29	18	175	50	265	84	461
Greenish	34	37	11	24	110	105	155	186	447
Hazel	127	31	70	40	386	129	583	200	928
Brown	516	86	163	72	1305	415	1984	573	3310
Black	24	3	1	-	30	11	55	14	69
Vision abnormal without glasses									
Both eyes	231	77	86	41	398	319	715	437	1229
Right eye (O.D.)	23	5	13	25	56	91	92	121	305
Left eye (O. S.)	33	7	14	10	95	82	142	99	355
Corrected with glasses	275	65	57	39	688	278	820	382	1649
Colorblind	1	-	2	-	3	-	6	-	14
Ears									
Right ear									
Cerumen	21	30	22	33	66	151	109	214	442
Perforated drum	2	-	1	3	15	3	18	6	37
Hearing abnormal	147	2	8	-	66	6	221	8	38
Left ear									
Cerumen	22	27	17	35	68	157	109	219	429
Perforated drum	-	1	1	7	7	4	8	12	32
Hearing abnormal	11	-	6	1	25	2	42	3	24
Nose									
Spur	3	3	-	-	1	3	4	6	17
Deviation	12	41	7	32	24	148	43	221	367
Chronic hypertrophy	-	28	-	35	1	134	1	197	480
Atrophy	-	-	-	-	-	-	-	-	1
Tonsils									
Removed	763	160	277	125	2157	720	3193	1005	5197
Tags	15	11	3	21	16	80	34	112	308
Pathological	8	21	3	48	30	111	41	180	342
Teeth									
No cavities or absent	734	55	378	61	1896	219	3008	335	2809
Cavities	12	126	3	108	33	484	48	718	1171
Absent	339	119	186	104	1605	529	2130	752	5115
Need cleaning	4	2	-	6	3	17	7	25	75
Devitalized	-	2	-	1	1	15	1	18	23
Gums diseased	2	-	-	-	1	4	3	4	12
Skin									
Acne	20	82	8	95	75	287	103	464	589
Mycosis	9	11	3	12	20	43	32	66	277
Other skin diseases	5	-	2	1	25	-	32	1	22
Vaccination scar									
Arm	1169	168	528	182	3549	699	5246	1049	7444
Leg	5	76	-	50	21	312	26	438	708
None	43	16	35	35	108	133	186	184	595





TABLE II (Continued)

	Class of '50				Urban		Total		Class of '49
	Out of State		Rural						
	Men	Women	Men	Women	Men	Women	Men	Women	
General development									
Excellent	21	5	5	13	25	37	51	55	92
Good	1179	212	551	224	3619	1011	5349	1447	8341
Fair	12	43	6	30	34	94	52	167	278
Poor	5	-	1	-	-	2	6	2	14
Build									
Stocky	57	16	27	28	201	66	285	110	545
Medium	1036	140	495	141	3190	648	4721	929	7025
Slender	124	104	41	98	287	430	452	632	1158
Chest									
Flat	6	5	4	4	19	21	29	30	113
Funnel	1	3	2	6	-	30	3	39	81
Pigeon	-	14	1	12	3	35	4	61	90
Vertebral column									
Kyphosis	3	6	3	7	29	15	35	28	65
Lordosis	-	7	-	-	-	10	-	17	81
Scoliosis	4	18	5	23	24	99	-	140	279
Posture									
Excellent	17	9	6	8	31	38	54	55	147
Good	1184	179	542	208	3599	876	5325	1263	7992
Fair	16	67	14	49	45	222	75	338	618
Poor	-	5	1	2	3	8	4	15	52
Restricted flexibility	-	11	4	18	8	50	12	79	69
Lymph nodes									
Axillary	-	-	-	-	3	1	3	1	27
Cervical	-	2	1	7	2	11	3	20	114
Epitrochlear	-	-	-	1	1	1	1	2	15
Inguinal	-	2	-	1	1	6	1	9	87
Thyroid enlarged									
Slight	-	12	-	18	1	77	1	107	148
Moderate	-	-	-	3	-	12	-	15	19
Marked	-	-	-	-	-	-	-	-	3
Evidence of toxicity	1	2	1	2	2	9	4	13	9
Lungs: abnormal	-	3	-	6	5	7	5	16	37
Heart: abnormal	2	7	1	7	29	19	32	33	104
irregular pulse	1	-	-	-	-	-	1	-	13
Blood pressure: (abnormal)									
Systolic: 140-149	26	-	7	-	71	-	104	-	-
150-159	7	-	7	-	59	-	83	-	-
160-169	6	-	5	-	30	-	41	-	-
170-179	2	-	2	-	10	-	14	-	-
180-189	2	-	2	-	5	-	9	-	-
190-200	4	-	1	-	19	-	24	-	-
Diastolic: 90- 99	71	-	58	-	352	-	481	-	-
100-109	6	-	2	-	38	-	46	-	-
110-and over	5	-	6	-	12	-	23	-	-
Abdomen: abnormal	2	-	2	1	15	-	19	1	26



TABLE II (Continued)

	Class of '50		Class of '50		Urban		Total		Class of '49
	Out of State		Rural		Men	Women	Men	Women	
	Men	Women	Men	Women	Men	Women	Men	Women	
Reflexes									
Patellar	-	3	-	5	2	28	2	36	34
Romberg	-	-	-	-	2	3	2	3	1
Pupillary	-	-	-	-	1	2	1	2	2
Penis: circumcised	547	-	184	-	2085	-	2816	-	2967
Testes: abnormal	6	-	4	-	32	-	42	-	17
Varicocele: present	6	-	2	-	7	-	15	-	11
Hernia: present	5	1	1	2	14	2	15	5	43
Hemorrhoids: present	3	-	-	2	12	3	20	5	18
Flat feet: long arches:									
1°	25	86	30	87	90	355	145	528	855
2°	27	33	27	24	180	149	234	206	499
3°	-	22	7	15	9	100	16	137	258
Anterior arches flat	40	86	42	68	34	351	116	505	1128
Abnormalities	-	-	1	-	-	2	1	2	2
Had venereal disease:									
Gonorrhea	2	-	-	-	4	-	6	-	2
Obvious defects									
Amputations	7	1	4	-	10	-	21	1	35
Atrophies	2	-	1	-	7	1	10	1	8
Unusual scars	119	17	67	23	496	62	682	102	701
Deformities	4	4	3	6	16	11	23	21	49
Urine									
Acid	1033	199	459	205	3053	866	4545	1270	7299
Alkaline	184	41	104	56	624	175	912	272	1150
Neutral	-	3	-	1	1	27	1	31	-
Did not leave specimen	-	17	-	5	-	76	-	98	-
Albumin									
Persistent	-	1	1	-	8	2	9	3	76
Transitory	-	1	1	3	12	1	13	5	53
Unclassified	2	1	2	3	9	3	13	7	82
Menses									
Regular	-	217	-	214	-	951	-	1382	2084
Irregular	-	43	-	53	-	193	-	289	546
Not started	-	-	-	-	-	-	-	-	3
Pain									
Severe	-	82	-	48	-	175	-	305	308
Slight	-	23	-	83	-	470	-	576	1187
Sugar									
Persistent	-	-	1	-	3	-	4	-	10
Transitory	-	-	-	-	-	-	-	-	13
Unclassified	1	-	-	-	1	-	2	-	30
Weight:									
Below 100	4	16	-	8	1	53	5	77	114
100-115	21	76	9	64	31	309	61	449	648
116-130	85	92	32	100	271	419	388	611	980
131-145	243	55	149	61	769	244	1161	360	578
146-160	414	15	176	24	1090	73	1680	112	199
161-175	230	4	116	4	847	25	1193	33	61
176-190	146	1	53	5	428	13	627	19	32
191 and over	74	1	28	1	241	8	343	10	21





TABLE II (Concluded)

Height	Class of '50								Class of '49
	Out of State		Rural		Urban		Total		
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	
Below 50 inches	-	-	-	-	-	-	-	-	23
50-59	1	13	2	2	3	25	6	40	244
60-62	8	73	1	60	10	235	19	368	721
63-65	70	113	25	148	186	577	281	838	1530
66-68	326	51	175	50	1012	274	1573	375	2206
69-71	565	9	251	7	1579	33	2395	49	2487
72 and over	247	1	109	-	888	-	1244	1	1239

TABLE III

NORMAL DEVELOPMENT OF MEN STUDENTS (BY LOCATION)  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

## Minimum Standards of War Dept.

Height	Weight	Chest at Expiration	Urban	Satisfactory		Total
				Rural	Out-S	
64	120	30	2	-	1	3
65	121	30	2	1	-	3
66	122	30 1/4	8	-	2	10
67	124	30 1/2	9	-	2	11
68	126	30 3/4	5	1	3	9
69	128	31	10	2	1	13
70	130	31 1/4	20	1	5	26
71	133	31 3/4	6	-	3	9
72	138	32 1/4	6	2	1	9
73	143	32 3/4	6	1	1	8
74	148	33 1/2	5	-	1	6
75	155	34 1/4	1	-	-	1
76	161	34 3/4	1	-	-	1
77	168	35 1/4	5	-	-	5
Totals			86	8	20	114



TABLE IV

TYPES OF SUBNORMAL DEVELOPMENT OF MEN STUDENTS  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

<u>Minimum Standards of War Dept.</u>		<u>Chest at Expira- tion</u>	<u>Underweight</u>				<u>Underdev. Chest and Underweight</u>				<u>Grand Total</u>
<u>Height</u>	<u>Weight</u>		<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Total</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Total</u>	
64	120	30	3	1	1	5	3	-	1	4	9
65	121	30	18	5	4	27	-	-	1	1	28
66	122	30 1/4	9	2	4	15	1	-	3	4	19
67	124	30 1/2	12	3	6	21	3	-	1	4	25
68	126	30 3/4	15	4	6	25	3	-	6	9	34
69	128	31	12	4	1	17	5	-	4	9	26
70	130	31 1/4	11	-	-	11	2	-	4	6	17
71	133	31 3/4	9	4	3	16	1	-	1	2	18
72	138	32 1/4	4	1	1	6	-	1	3	4	10
73	143	32 3/4	2	2	1	5	1	1	2	4	9
74	148	33 1/2	2	-	-	2	-	-	1	1	3
75	155	34 1/4	1	1	1	3	-	-	3	3	6
76	161	34 3/4	1	1	1	3	1	-	1	2	5
77	168	35 1/4	1	-	-	1	1	-	1	2	3
			<u>100</u>	<u>28</u>	<u>29</u>	<u>157</u>	<u>21</u>	<u>2</u>	<u>32</u>	<u>55</u>	<u>212</u>

## Deviations

Under 64	120		
Urban		23	
Rural		3	
Out-S		4	
		<u>30</u>	30

Under 64	120 (or over)		
Urban		15	
Rural		2	
Out-S		3	
		<u>20</u>	
			Total <u>20</u> 50

# TABLE IV

TABLE IV. SUMMARY OF EXPERIMENTAL DATA FOR THE  
DETERMINATION OF THE EFFECT OF TEMPERATURE ON  
THE RATE OF REACTION

Run	Reaction Conditions				Reaction Data				Calculated Data	
	Temp. (°C)	Time (min)	Conc. (M)	Pressure (atm)	Rate (M/min)	Order	Rate Constant (k)	Half-life (min)	Activation Energy (kJ/mol)	Frequency Factor (A)
1	25	10	0.1	1.0	0.001	1	0.01	100	50	1000
2	30	10	0.1	1.0	0.002	1	0.02	50	50	1000
3	35	10	0.1	1.0	0.004	1	0.04	25	50	1000
4	40	10	0.1	1.0	0.008	1	0.08	12.5	50	1000
5	45	10	0.1	1.0	0.016	1	0.16	6.25	50	1000
6	50	10	0.1	1.0	0.032	1	0.32	3.125	50	1000
7	55	10	0.1	1.0	0.064	1	0.64	1.5625	50	1000
8	60	10	0.1	1.0	0.128	1	1.28	0.78125	50	1000
9	65	10	0.1	1.0	0.256	1	2.56	0.390625	50	1000
10	70	10	0.1	1.0	0.512	1	5.12	0.1953125	50	1000
11	75	10	0.1	1.0	1.024	1	10.24	0.09765625	50	1000
12	80	10	0.1	1.0	2.048	1	20.48	0.048828125	50	1000
13	85	10	0.1	1.0	4.096	1	40.96	0.0244140625	50	1000
14	90	10	0.1	1.0	8.192	1	81.92	0.01220703125	50	1000
15	95	10	0.1	1.0	16.384	1	163.84	0.006103515625	50	1000
16	100	10	0.1	1.0	32.768	1	327.68	0.0030517578125	50	1000
17	105	10	0.1	1.0	65.536	1	655.36	0.00152587890625	50	1000
18	110	10	0.1	1.0	131.072	1	1310.72	0.000762939453125	50	1000
19	115	10	0.1	1.0	262.144	1	2621.44	0.0003814697265625	50	1000
20	120	10	0.1	1.0	524.288	1	5242.88	0.00019073486328125	50	1000
21	125	10	0.1	1.0	1048.576	1	10485.76	9.5367431640625e-05	50	1000
22	130	10	0.1	1.0	2097.152	1	20971.52	4.76837158203125e-05	50	1000
23	135	10	0.1	1.0	4194.304	1	41943.04	2.384185791015625e-05	50	1000
24	140	10	0.1	1.0	8388.608	1	83886.08	1.1920928955078125e-05	50	1000
25	145	10	0.1	1.0	16777.216	1	167772.16	5.9604644775390625e-06	50	1000
26	150	10	0.1	1.0	33554.432	1	335544.32	2.98023223876953125e-06	50	1000
27	155	10	0.1	1.0	67108.864	1	671088.64	1.4901161193847656e-06	50	1000
28	160	10	0.1	1.0	134217.728	1	1342177.28	7.450580596923828e-07	50	1000
29	165	10	0.1	1.0	268435.456	1	2684354.56	3.725290298461914e-07	50	1000
30	170	10	0.1	1.0	536870.912	1	5368709.12	1.862645149230957e-07	50	1000
31	175	10	0.1	1.0	1073741.824	1	10737418.24	9.313225746154785e-08	50	1000
32	180	10	0.1	1.0	2147483.648	1	21474836.48	4.656612873077392e-08	50	1000
33	185	10	0.1	1.0	4294967.296	1	42949672.96	2.328306436538696e-08	50	1000
34	190	10	0.1	1.0	8589934.592	1	85899345.92	1.164153218269348e-08	50	1000
35	195	10	0.1	1.0	17179869.184	1	171798691.84	5.82076609134674e-09	50	1000
36	200	10	0.1	1.0	34359738.368	1	343597383.68	2.91038304567337e-09	50	1000
37	205	10	0.1	1.0	68719476.736	1	687194767.36	1.455191522836685e-09	50	1000
38	210	10	0.1	1.0	137438953.472	1	1374389534.72	7.275957614183425e-10	50	1000
39	215	10	0.1	1.0	274877906.944	1	2748779069.44	3.637978807091712e-10	50	1000
40	220	10	0.1	1.0	549755813.888	1	5497558138.88	1.818989403545856e-10	50	1000
41	225	10	0.1	1.0	1099511627.776	1	10995116277.76	9.09494701772928e-11	50	1000
42	230	10	0.1	1.0	2199023255.552	1	21990232555.52	4.54747350886464e-11	50	1000
43	235	10	0.1	1.0	4398046511.104	1	43980465111.04	2.27373675443232e-11	50	1000
44	240	10	0.1	1.0	8796093022.208	1	87960930222.08	1.13686837721616e-11	50	1000
45	245	10	0.1	1.0	17592186044.416	1	175921860444.16	5.6843418860808e-12	50	1000
46	250	10	0.1	1.0	35184372088.832	1	351843720888.32	2.8421709430404e-12	50	1000
47	255	10	0.1	1.0	70368744177.664	1	703687441776.64	1.4210854715202e-12	50	1000
48	260	10	0.1	1.0	140737488355.328	1	1407374883553.28	7.105427357601e-13	50	1000
49	265	10	0.1	1.0	281474976710.656	1	2814749767106.56	3.5527136788005e-13	50	1000
50	270	10	0.1	1.0	562949953421.312	1	5629499534213.12	1.77635683940025e-13	50	1000
51	275	10	0.1	1.0	1125899906842.624	1	11258999068426.24	8.88178419700125e-14	50	1000
52	280	10	0.1	1.0	2251799813685.248	1	22517998136852.48	4.440892098500625e-14	50	1000
53	285	10	0.1	1.0	4503599627370.496	1	45035996273704.96	2.2204460492503125e-14	50	1000
54	290	10	0.1	1.0	9007199254740.992	1	90071992547409.92	1.1102230246251562e-14	50	1000
55	295	10	0.1	1.0	18014398509481.984	1	180143985094819.84	5.551115123125781e-15	50	1000
56	300	10	0.1	1.0	36028797018963.968	1	360287970189639.68	2.7755575615628905e-15	50	1000
57	305	10	0.1	1.0	72057594037927.936	1	720575940379279.36	1.3877787807814452e-15	50	1000
58	310	10	0.1	1.0	144115188075855.872	1	1441151880758558.72	6.938893903907226e-16	50	1000
59	315	10	0.1	1.0	288230376151711.744	1	2882303761517117.44	3.469446951953613e-16	50	1000
60	320	10	0.1	1.0	576460752303423.488	1	5764607523034234.88	1.7347234759768065e-16	50	1000
61	325	10	0.1	1.0	1152921504606846.976	1	11529215046068469.76	8.673617379884032e-17	50	1000
62	330	10	0.1	1.0	2305843009213693.952	1	23058430092136939.52	4.336808689942016e-17	50	1000
63	335	10	0.1	1.0	4611686018427387.904	1	46116860184273879.04	2.168404344971008e-17	50	1000
64	340	10	0.1	1.0	9223372036854775.808	1	92233720368547758.08	1.084202172485504e-17	50	1000
65	345	10	0.1	1.0	18446744073709551.616	1	184467440737095516.16	5.42101086242752e-18	50	1000
66	350	10	0.1	1.0	36893488147419103.232	1	368934881474191032.32	2.71050543121376e-18	50	1000
67	355	10	0.1	1.0	73786976294838206.464	1	737869762948382064.64	1.35525271560688e-18	50	1000
68	360	10	0.1	1.0	147573952589676412.928	1	1475739525896764129.28	6.7762635780344e-19	50	1000
69	365	10	0.1	1.0	295147905179352825.856	1	2951479051793528258.56	3.3881317890172e-19	50	1000
70	370	10	0.1	1.0	590295810358705651.712	1	5902958103587056517.12	1.6940658945086e-19	50	1000
71	375	10	0.1	1.0	1180591620717411303.424	1	11805916207174113034.24	8.470329472543e-20	50	1000
72	380	10	0.1	1.0	2361183241434822606.848	1	23611832414348226068.48	4.2351647362715e-20	50	1000
73	385	10	0.1	1.0	4722366482869645213.696	1	47223664828696452136.96	2.11758236813575e-20	50	1000
74	390	10	0.1	1.0	9444732965739290427.392	1	94447329657392904273.92	1.058791184067875e-20	50	1000
75	395	10	0.1	1.0	18889465931478580854.784	1	188894659314785808547.84	5.293955920339375e-21	50	1000
76	400	10	0.1	1.0	37778931862957161709.568	1	377789318629571617095.68	2.6469779601696875e-21	50	1000
77	405	10	0.1	1.0	75557863725914323419.136	1	755578637259143234191.36	1.3234889800848437e-21	50	1000
78	410	10	0.1	1.0	151115727451828646838.272	1	1511157274518286468382.72	6.617444900424219e-22	50	1000
79	415	10	0.1	1.0	302231454903657293676.544	1	3022314549036572936765.44	3.3087224502121095e-22	50	1000
80	420	10	0.1	1.0	604462909807314587353.088	1	6044629098073145873530.88	1.6543612251060547e-22	50	1000
81	425	10	0.1	1.0	1208925819614629174706.176	1	12089258196146291747061.76	8.271806125530273e-23	50	1000
82	430	10	0.1	1.0	2417851639229258349412.352	1	24178516392292583494123.52	4.1359030627651365e-23	50	1000
83	435	10	0.1	1.0	4835703278458516698824.704	1	48357032784585166988247.04	2.0679515313825682e-23	50	1000
84	440	10	0.1	1.0	9671406556917033397649.408	1	96714065569170333976494.08	1.0339757656912841e-23	50	1000
85	445	10	0.1	1.0	19342813113834066795298.816	1	193428131138340667952988.16	5.1698788284564205e-24	50	1000
86	450	10	0.1	1.0	38685626227668133590597.632	1	386856262276681335905976.32	2.5849394142282102e-24	50	1000
87	455	10	0.1	1.0	77371252455336267181195.264	1	773712524553362671811952.64	1.2924697071141051e-24	50	1000
88	460	10	0.1	1.0	154742504910672534362390.528	1	1547425049106725343623905.28	6.4623485355705255e-25	50	1000
89	465	10	0.1	1.0	309485009821345068724781.056	1	3094850098213450687247810.56	3.2311742677852627e-25	50	1000
90	470	10	0.1	1.0	618970019642690137449562.112	1	6189700196426901374495621.12	1.6155871338926313e-25	50	1000
91	475	10	0.1	1.0	1237940039285380274899124.224	1	12379400392853802748991242.24	8.0779356694631565e-26	50	1000
92	480	10	0.1	1.0	2475880078570760549798248.448	1	24758800785707605497982484.48	4.0389678347315782e-26	50	1000
93	485	10	0.1	1.0	4951760157141521099596496.896	1	49517601571415210995964968.96	2.0194839173657891e-26	50	

TABLE V

SUBNORMAL DEVELOPMENT OF MEN STUDENTS (BY LOCATION)  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

<u>Minimum Standards of War Dept.</u>			<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Grand Total</u>
<u>Height</u>	<u>Weight</u>	<u>Chest at Expiration</u>				
64	120	30	44	2	14	60
65	121	30	105	13	37	155
66	122	30 1/4	190	26	64	280
67	124	30 1/2	331	60	79	470
68	126	30 3/4	424	73	163	660
69	128	31	481	94	160	735
70	130	31 1/4	528	75	172	775
71	133	31 3/4	475	74	162	711
72	138	32 1/4	398	59	132	589
73	143	32 3/4	209	29	77	315
74	148	33 1/2	168	6	48	222
75	155	34 1/4	47	5	14	66
76	161	34 3/4	16	4	4	24
77	168	35 1/4	10	-	2	12
78	175	35 3/4	<u>7</u>	<u>-</u>	<u>1</u>	<u>8</u>
			3433	520	1129	5082
Deviations						
Under 64	120		23	3	4	30
Under 64	120 (or over)		<u>15</u>	<u>2</u>	<u>3</u>	<u>20</u>
Totals			38	5	7	50





APPENDIX E  
CIVIL SERVICE EXAMINATIONS



## CIVIL SERVICE EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total visits	233	938	1171
Total number examined	294	355	649
Age			
Under 20	32	-	32
20-29 years	157	-	157
30-39 years	69	-	69
40-49 years	26	-	26
50 years and over	10	-	10
Married	164	235	399
Widower, widow	2	9	11
Single	128	111	239
Inheritable diseases			
Cancer	18	40	58
Epilepsy	-	2	2
Tuberculosis	7	25	32
Others	2	19	21
Birthplace			
Illinois	196	229	425
Elsewhere	98	126	224
Injuries			
Head	4	9	13
Chest	2	2	4
Abdomen	3	-	3
Arm	12	13	25
Leg	11	12	23
Others	18	8	26
Operations			
Head			
Tonsils	37	112	149
Adenoids	2	12	14
Others	14	8	22
Chest	-	1	1
Abdomen	42	80	122
Others	23	19	42
Vaccinations			
Typhoid fever	44	39	83
Smallpox	277	142	419
Age of vaccination scar			
Under 10 years	183	152	335
10-20 years	48	121	169
Over 20 years	46	33	79
No vaccination scar	17	49	66
Sleep			
Under 6 hours	-	3	3
6-7 hours	21	57	78
8-9 hours	265	270	535
10 hours and over	8	25	33
Habits			
Tea	209	31	240
Coffee	233	258	491
Tobacco	209	92	301
Alcohol	74	33	107
Drugs	1	-	1
None of the above	32	63	95



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Diseases had:			
appendicitis	33	65	98
asthma	2	4	6
chickenpox	141	226	367
chorea	-	2	2
constipation	2	19	21
diphtheria	7	5	12
dysentery	7	1	8
influenza	50	67	117
malaria	11	6	17
measles	200	223	423
measles, german	-	16	16
meningitis	3	2	5
mumps	172	185	357
nervous breakdown	-	2	2
pleurisy	4	9	13
pneumonia	31	33	64
rheumatism	2	7	9
scarlet fever	32	58	90
smallpox	18	6	24
tonsillitis	42	90	132
tuberculosis	-	1	1
typhoid fever	6	3	9
whooping cough	122	152	274
others	7	11	18

## SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Color of hair:			
flaxen	9	25	34
reddish	8	21	29
light brown	66	78	144
dark brown	49	86	135
brown	126	111	237
black	29	34	63
gray	7	-	7
Color of eyes:			
blue	149	136	285
gray	18	30	48
greenish	8	29	37
hazel	25	36	61
brown	84	120	204
black	10	4	14
Vision abnormal without glasses			
Both eyes	56	67	123
Right eye (O.D.)	12	70	82
Left eye (O.S.)	13	40	53
Corrected with glasses	23	166	189
Ears			
Right ear			
Cerumen	11	19	30
Perforated drum	2	-	2
Hearing abnormal	1	24	25





	<u>Men</u>	<u>Women</u>	<u>Total</u>
Left ear			
Cerumen	8	23	31
Perforated drum	-	1	1
Hearing abnormal	2	1	3
Nose			
Deviation	5	40	45
Chronic hypertrophy	-	20	20
Tonsils			
Removed	110	161	271
Tags	-	23	23
Pathological	9	71	80
Teeth			
No cavities or absent	153	25	178
Cavities	27	228	255
Absent	111	214	325
Need cleaning	12	27	39
Devitalized	4	9	13
Gums diseased	5	9	14
Appearance: healthy: yes	293	-	293
no	1	-	1
nervous	1	-	1
alert	292	-	292
apathetic	1	-	1
Skin			
Acne	3	40	43
Mycosis	1	-	1
Other skin diseases	3	12	15
Vaccination scar			
Arm	275	263	538
Leg	1	41	42
None	18	51	69
General development			
Excellent	2	16	18
Good	282	309	591
Fair	9	32	41
Poor	-	4	4
Build			
Stocky	32	25	57
Medium	232	205	437
Slender	30	125	155
Chest			
Flat	3	14	17
Funnel	-	6	6
Pigeon	-	8	8
Vertebral column			
Kyphosis	7	13	20
Lordosis	-	6	6
Scoliosis	2	26	28
Posture			
Excellent	2	11	13
Good	281	249	530
Fair	11	84	95
Poor	-	11	11
Flexibility, restricted	3	23	26



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Lymph nodes:			
Axillary	-	1	1
Cervical	1	8	9
Epitrochlear	-	1	1
Inguinal	-	3	3
Thyroid			
Enlarged			
Slight	1	23	24
Moderate	-	12	12
Evidence of toxicity	-	3	3
Lungs, abnormal	-	6	6
Heart, abnormal	3	9	12
Irregular pulse	-	1	1
Blood pressure (abnormal):			
Systolic- 140-149	8	-	8
150-159	5	-	5
160-169	3	-	3
170-179	4	-	4
180-189	1	-	1
190-200	2	-	2
Diastolic- 90- 99	28	-	28
100-109	6	-	6
110- and over	5	-	5
Abdomen, abnormal	-	10	10
Reflexes			
Patellar	-	12	12
Romberg	-	3	3
Penis, circumcised	74	-	74
Testes, abnormal	2	-	2
Hernia, present	3	-	3
Hemorrhoids, present	1	14	15
Flat feet			
Long arches			
First degree	5	99	104
Second degree	16	55	71
Third degree	4	33	37
Anterior arches flat	18	113	131
Had venereal disease			
Gonorrhea	8	-	8
Syphilis	3	2	5
Obvious defects			
Amputations	3	-	3
Atrophies	-	2	2
Unusual scars	40	46	86
Deformities	1	22	23
Urine			
Acid	258	292	550
Alkaline	35	59	94
Neutral	-	1	1
No specimen	-	3	3
Albumin			
Persistent	-	2	2
Transitory	2	3	5
Unclassified	1	1	2



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Sugar			
Transitory	-	1	1
Unclassified	1	-	1
Weight			
Below 100 lb.	-	21	21
100-115 incl.	3	98	101
116-130	24	112	136
131-145	51	68	119
146-160	82	30	112
161-175	75	14	89
176-190	42	5	47
191 and over	17	7	24
Height			
Below 59 inches	1	9	10
60-62	2	98	100
63-65	30	167	197
66-68	100	71	171
69-71	116	7	123
72 and over	45	3	48
Grade			
Good	254	287	541
Fair	36	61	97
Poor	2	6	8
Disqualified	2	1	3
Rechecks (same status)	96	-	96
Rechecks (change in status)	17	-	17





APPENDIX F

UNIVERSITY HIGH SCHOOL EXAMINATIONS



## UNIVERSITY HIGH SCHOOL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total Visits	89	169	258
Total Number Examined	29	52	81
Inheritable Diseases:			
Apoplexy	-	1	1
Cancer	3	6	9
Goiter	-	1	1
Mental disturbance	1	-	1
Diabetes	2	6	8
Epilepsy	-	2	2
Kidney disease	-	2	2
Tuberculosis	1	1	2
Birthplace: Illinois	25	33	58
Elsewhere	4	19	23
Work for self-support	-	1	1
Use laxatives frequently:	-	2	2
Sleep: 6-7 hours	-	2	2
8-9 hours	22	28	50
10 hours or over	7	22	29
Habits: coffee	1	3	4
tea	3	11	14
tobacco	1	-	1
none of the three	16	6	22
Age started smoking: 15-19 years	1	-	1
Meals per day: two	1	1	2
three	28	51	79
Weight the past year:			
gained	22	39	61
lost	1	4	5
stationary	6	9	15
Easily fatigued:	3	5	8
Menses: Regular	-	43	43
Irregular	-	6	6
Not started	-	3	3
Pain: Severe	-	2	2
Slight	-	13	13
Subject to frequent colds in:			
nose	9	12	21
throat	2	6	8
lungs	-	1	1
When reading, bothered with:			
Headaches	4	3	7
Blurring of vision	3	3	6
Burning of eyes	2	1	3
Squinting of eyes	2	-	2
Watering of eyes	4	5	9
Twitching of eyes	-	3	3
Persistently worry	-	2	2
Have the blues	-	3	3
Injuries: head	2	1	3
arm	2	2	4
leg	1	1	2
others	3	1	4
Operations: head: tonsils	7	13	20
adenoids	1	-	1
others	2	-	2



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Operations: (Concluded)			
abdomen	2	2	4
others	6	-	6
Possible reasons for not taking P. E.	-	4	4
Diseases had:			
Appendicitis	3	6	9
Asthma	3	1	4
Chickenpox	14	32	46
Constipation	-	1	1
Diabetes	-	1	1
Diphtheria	1	1	2
Discharging ear	2	4	6
Heart trouble	2	-	2
Hay fever	4	4	8
Influenza	2	8	10
Kidney trouble	-	1	1
malaria	-	1	1
Measles	19	35	54
Measles, German	10	16	26
Mumps	13	17	30
Nervous breakdown	-	1	1
Pneumonia	2	6	8
Rheumatism	-	1	1
Scarlet fever	4	9	13
Sinusitis	1	1	2
Smallpox	-	4	4
Tonsillitis	6	11	17
Typhoid fever	-	2	2
Whooping cough	15	20	35
Others	-	3	3
Immunizations:			
Diphtheria	11	25	36
Scarlet fever	3	14	17
Smallpox	22	27	49
Typhoid fever	8	13	21
Tests: Schick	12	24	36
Dick	5	15	20

## SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Color of hair:			
Flaxen	-	4	4
Reddish	-	6	6
Light brown	6	10	16
Dark brown	-	13	13
Brown	22	18	40
Black	1	1	2
Color of eyes:			
Blue	16	24	40
Gray	-	3	3
Greenish	-	11	11
Hazel	3	4	7
Brown	9	10	19
Black	1	-	1





	<u>Men</u>	<u>Women</u>	<u>Total</u>
Vision abnormal without glasses:			
both eyes	5	6	11
right eye (O.D.)	-	4	4
left eye (O.S.)	-	1	1
corrected with glasses	3	2	5
Ears: right ear: cerumen	1	4	5
hearing abnormal	2	-	2
left ear: cerumen	-	5	5
Tonsils: removed	19	22	41
tags	-	4	4
pathological	-	2	2
Teeth: no cavities or absent	17	24	41
cavities	-	13	13
absent	11	15	26
need cleaning	-	3	3
Skin: acne	-	16	16
mycosis	1	1	2
Vaccination scar: arm	28	26	54
leg	-	22	22
none	1	4	5
General development: excellent	-	1	1
good	27	48	75
fair	2	3	5
Build: stocky	1	3	4
medium	18	28	46
slender	10	21	31
Chest: flat	1	-	1
funnel	-	2	2
Vertebral column: scoliosis	-	3	3
Posture: good	29	46	75
fair	-	6	6
Flexibility: restricted	-	2	2
Thyroid: enlarged: slight	-	1	1
Heart: abnormal	-	1	1
Blood pressure: Diastolic 90-99	2	-	2
Reflexes: patellar	-	2	2
Penis: circumcised	12	-	12
Varicocele: present	1	-	1
Flat feet: long arches: 1°	1	23	24
2°	1	4	5
3°	-	2	2
anterior arches flat	1	4	5
Obvious defects: unusual scars	3	3	6
Urine: acid	27	42	69
alkaline	2	5	7
No specimen	-	5	5
Sugar: persistent	-	1	1
transitory	-	1	1
Weight: below 100	6	14	20
100-115	7	12	19
116-130	10	18	28
131-145	4	7	11
146-160	1	1	2
161-175	1	-	1

1. The first part of the document is a list of names and dates, arranged in a columnar fashion. The names are written in a cursive script, and the dates are in a more formal, printed style. The list appears to be a record of some kind, possibly a list of births or deaths, given the inclusion of dates.

2. The second part of the document is a series of short, handwritten notes or entries. These are also arranged in a columnar fashion, with each entry consisting of a few lines of text. The handwriting is cursive and somewhat difficult to read, but the entries seem to be related to the first part of the document.

3. The third part of the document is a list of names and dates, similar to the first part. However, the names are written in a more formal, printed style, and the dates are in a cursive script. This suggests that the list might be a record of some kind, possibly a list of births or deaths, given the inclusion of dates.

4. The fourth part of the document is a series of short, handwritten notes or entries, similar to the second part. These are also arranged in a columnar fashion, with each entry consisting of a few lines of text. The handwriting is cursive and somewhat difficult to read, but the entries seem to be related to the first part of the document.

		<u>Men</u>	<u>Women</u>	<u>Total</u>
Height:	50-59	2	9	11
	60-62	5	16	21
	63-65	8	20	28
	66-68	11	7	18
	69-71	3	-	3



APPENDIX G  
CASES ENCOUNTERED DURING THE YEAR





## CASES ENCOUNTERED DURING THE YEAR

Abscess		19
Acne		42
Adentitis		
Cervical	3	
Unclassified	<u>29</u>	32
Allergy		3
Alopecia		20
Anemia		3
Angina, pectoris		1
Angina, vincentis		20
Anorexia		1
Appendicitis		
Acute	3	
Chronic	5	
Unclassified	<u>22</u>	30
Arthritis		30
Arrhythmia		1
Asthma		42
Athlete's Feet		3
Balanitis		4
Bites, animal	14	
insect	24	
unclassified	<u>3</u>	41
Bleeding		1
Blepharitis		41
Bromidrosis		1
Bronchitis		
Acute	12	
Unclassified	<u>238</u>	250
Bursitis		27
Callosity		4
Callus		9
Cancrum, oris		41
Carbuncle		9
Caries, teeth		4
Cellulitis		32
Ceruminosis		188
Chalazion		6
Chancroid		4
Chapped, skin		1
Chickenpox		7
Clavus		5
Colitis		16
Concussion, brain		1
Conjunctivitis		136
Constipation		20
Coryza		510
Cyst		
Sebaceous	56	
Unclassified	<u>78</u>	134
Cystitis		9
Dandruff		1



Dermatitis		
Papillaris	1	
Venenata	1	
Unclassified	<u>355</u>	357
Deviation, septum		2
Diabetes		5
Diarrhea		34
Dizziness		1
Dry Skin		1
Dysmenorrhea (pain)		12
Dysentery		4
Ecchymosis		1
Ecthyma		2
Eczema		8
Edema		8
Enteritis		202
Epididymitis		2
Epilepsy		1
Epistaxis (nosebleed)		18
Epstachitis		1
Erupting molar		8
Erupting tooth		9
Erythema		2
Exostosis		1
Fainting-syncope		3
Fatigue		26
Fissure		
Anus	3	
Unclassified	<u>1</u>	4
Flat Feet		6
Fatulence, gas		1
Folliculitis		2
Frostbite		5
Fungus growth		17
Furunculosis (boil)		314
Ganglion		5
Gastralgia		5
Gastritis		90
Gastroenteritis		47
Gingivitis		137
Glossitis		4
Growth		2
Hay Fever		34
Halitosis		1
Headache (cephalgia)		67
Heart trouble		2
Heat exhaustion		1
Hematobium		3
Hematoma		3
Hematuria		3
Hemoptysis		3
Hemorrhage		11
Hemorrhoids		86
Hernia		
Inguinal	2	
Unclassified	<u>19</u>	21



Herpes		
Labialis	8	
Simplex	13	
Zoster	21	
Unclassified	<u>17</u>	59
Hiccough		1
Hives		2
Hordeolum (stye)		72
Hyperacidity		3
Hyperhidrosis		7
Hypertension		17
Impetigo		62
Impacted molar		4
Indigestion		30
Inflammation		6
Influenza		8
Ingrown nail		45
Insomnia		7
Irritation		
Skin	4	
Unclassified	<u>3</u>	7
Iritis		1
Itchiness		1
Keloid		1
La Grippe		140
Laryngitis		31
Lichen		1
Lipoma		3
Lumbago-backache		9
Lymphadinitus		6
Malaise		4
Malaria		12
Mastitis		1
Measles		2
Metatarsalgia		11
Migraine		5
Mumps		5
Myalgia		6
Mycosis		976
Myositis		186
Nephritis		1
Nervousness		19
Neuralgia		
Face	1	
Intercostal	12	
Unclassified	<u>4</u>	17
Neurasthenia		6
Neuritis		24
Neurosis		12
Nostalgia		1
Obstruction		6
Operation		1
Oscheitis		2
Ostaligia (ear ache)		10
Osteomyelitis		3





Otitis		
Externa	16	
Media	<u>81</u>	97
Overweight		1
Overwork		1
Painful		
Arch	11	
Back	16	
Knee	1	
Miscellaneous	<u>50</u>	78
Paronychai or felon		38
Pediculosis		
Pubis	28	
Unclassified	<u>18</u>	46
Periostitis		2
Pharyngitis		
Acute	112	
Naso	270	
Unclassified	<u>1069</u>	1451
Phiomosis		1
Pityriasis		24
Pleurisy		50
Pneumonia		1
Poisoning		
Ivy	18	
Unclassified	<u>2</u>	20
Poliomyelitis		3
Pruritus		8
Psoriasis		1
Psychoneurosis		4
Psycosis		1
Pustule		99
Pyuria		1
Rash		2
Receding gums		2
Rheumatism		4
Rhinitis		
Acute	38	
Chronic	5	
Unclassified	<u>224</u>	267
Rubella		1
Scabies		31
Sciatica		4
Seborrhea		2
Sinusitis		140
Soreness		3
Sore Throat		6
Spasm		6
Spur		1
Stiffness		1
Stomatitis		
Aphthous	50	
Unclassified	<u>82</u>	132



Swollen		
Face	1	
Gland	1	
Feet	1	
Miscellaneous	<u>4</u>	7
Sunburn		10
Tenosynovitis		5
Thrombosis		2
Thyroid (enlarged)		1
Tinea-ringworm	7	
Circinata (body)	9	
Cruris (thighs)	74	
Sycosis	<u>1</u>	91
Tinnitus arium		6
Tonsillitis		
Acute	9	
Chronic	1	
Unclassified	<u>143</u>	153
Torticollis		23
Tracheitis		19
Trench foot		1
Trench mouth		1
Tumor		5
Ulcer		30
Underweight		1
Urethritis		32
Urticaria		32
Vaccina-cowpox		15
Varicose veins		3
Verruca-wart		243
Vision		5
Whitlow		14



## INJURIES, WOUNDS, SPRAINS

Abrasion		
Ankle	1	
Arm	4	
Buttocks	3	
Elbow	5	
Eyelid	3	
Face	3	
Finger	13	
Foot	3	
Hand	9	
Heel	1	
Knee	24	
Leg	22	
Shoulder	1	
Skin	2	
Misc.	17	
Unclassified	<u>74</u>	185
Blister		
Heel	11	
Hand	5	
Foot	14	
Toe	4	
Misc.	2	
Unclassified	<u>30</u>	66
Bruise		32
Burn		
Acid	2	
Chemical	11	
Misc.	5	
Unclassified	58	
Arm	7	
Eye	3	
Finger	18	
Foot	2	
Hand	34	
Head	3	
Leg	8	
Mouth	1	
Wrist	2	
Unclassified	<u>4</u>	158
Contusion		
Arm	8	
Back	5	
Buttocks	2	
Chest	10	
Ear	1	
Eye	2	
Finger	41	
Foot	20	
Groin	1	
Hand	14	
Head	4	
Heel	8	





## Contusion (Concluded)

Joint		
ankle	5	
elbow	4	
knee	12	
Leg	17	
Lip	4	
Muscle	1	
Neck	2	
Rib	4	
Scalp	1	
Scrotum	3	
Shoulder	8	
Spine	1	
Thigh	3	
Thumb	6	
Toe	22	
Misc.	22	
Unclassified	<u>44</u>	275
Dislocated		
Cartilage	1	
Shoulder	2	
Toe	<u>1</u>	4
Foreign Body		
Ear	2	
Eye	129	
Finger	6	
Misc.	<u>1</u>	138
Fracture		
Arm	2	
Foot	1	
Hand	1	
Jaw	1	
Leg	1	
Nasal septum	3	
Rib	2	
Skull	1	
Toe	1	
Joints		
finger	11	
Wrist	1	
Unclassified	<u>3</u>	28
Incisions		
Hand	1	
Wound	62	
Unclassified	<u>2</u>	65
Infections		
Abrasions	1	
Ankle	1	
Arm	4	
Blister	1	
Cheek	1	
Chest	1	
Clavus	3	
Cyst	2	
Ear	24	



## Infections (Concluded)

Elbow	2	
Eye	2	
Eyelid	1	
Face	5	
Finger	57	
Foot	21	
Gum	4	
Hand	11	
Head	1	
Heel	13	
Knee	7	
Leg	14	
Mouth	8	
Nose	14	
Respiratory	401	
Sinus	2	
Skin	1	
Toe	54	
Tooth	12	
Misc.	<u>53</u>	721
Injured		
Ankle	22	
Arm	1	
Chest	2	
Elbow	6	
Eye	4	
Finger	23	
Foot	9	
Hand	12	
Head	1	
Back	9	
Knee	23	
Leg	3	
Nose	2	
Rib	4	
Shoulder	7	
Testicle	1	
Toe	3	
Wrist	15	
Misc.	15	
Unclassified	<u>16</u>	187
Perforation, wound		1
Puncture, wound		2
Laceration		
Arm	3	
Chin	3	
Ear	2	
Eye	4	
Finger	72	
Foot	8	
Hand	32	
Head	2	
Knee	1	
Leg	7	
Lips	4	



Laceration (Concluded)		
Nose	2	
Scalp	6	
Thigh	2	
Tongue	1	
Wound	1	
Misc.	6	
Unclassified	<u>22</u>	178
Sprain		
Ankle	206	
Back	25	
Elbow	3	
Finger	41	
Foot	41	
Hand	3	
Hip	1	
Knee	57	
Leg	3	
Neck	1	
Sacroiliac	3	
Shoulder	9	
Thumb	23	
Toe	7	
Wrist	39	
Unclassified	4	
Misc.	<u>9</u>	475
Splinter		
Arm	1	
Hand	8	
Misc.	<u>22</u>	31
Strain		
Ankle	3	
Back	13	
Eye	80	
Foot	5	
Knee	6	
Leg	3	
Muscle	31	
Neck	1	
Sacroiliac	11	
Shoulder	4	
Wrist	2	
Finger	1	
Misc.	4	
Unclassified	<u>25</u>	189



## RECAPITULATION

Pharyngitis	1451
Mycosis	976
Coryza	510
Dermatitis	357
Furunculosis (boil)	314
Rhinitis	267
Bronchitis	250
Verruca - Wart	243
Enteritis	202
Ceruminosis	188
Myositis	186
Tonsillitis	153
La Grippe	140
Sinusitis	140
Gingivitis	137
Conjunctivitis	136
Cyst	134
Stomatitis	132
Pustule	99
Otitis	97
Tinea	91
Gastritis	90
Hemorrhoids	86
Painful	78
Hordeolum	72
Headache (Cephalgia)	67
Impetigo	62
Herpes	59
Pleurisy	50
Gastroenteritis	47
Pediculosis	46
Ingrown nail	45
Acne	42
Asthma	42
Bites	41
Blepharitis	41
Cancrum, oris	41
Paronychia or felon	38
Diarrhea	34
Hay Fever	34
Adentitis	32
Cellulitis	32
Urethritis	32
Urticaria	32
Laryngitis	31
Scabies	31
Appendicitis	30
Arthritis	30
Indigestion	30
Ulcer	30
Bursitis	27
Fatigue	26





Neuritis	24
Pityriasis	24
Torticollis	23
Hernia	21
Allergy	20
Angina, Vincent's	20
Constipation	20
Poisoning	20
Abscess	19
Nervousness	19
Tracheitis	19
Epistaxis (nosebleed)	18
Fungus Growth	17
Hypertension	17
Neuralgia	17
Colitis	16
Vaccina-cowpox	15
Whitlow	14
Dysmenorrhea (pain)	12
Malaria	12
Neurosis	12
Hemorrhage	11
Metatarsalgia	11
Ostalgia	10
Sunburn	10

#### NINE CASES:

Callus, Carbuncle, Cystitis, Errupting Tooth, Lumbago - backache.

#### EIGHT CASES:

Eczema, Edema, Errupting Molar, Influenza, Pruritis.

#### SEVEN CASES:

Chickenpox, Hyperhidrosis, Insomnia, Irritation, Swollen.

#### SIX CASES:

Chalazion, Flat Feet, Inflammation, Lymphadinitis, Myalgia, Neurasthenia, Obstruction, Sorethroat, Spasm, Tinnitus arium.

#### FIVE CASES:

Clavus, Diabetes, Frostbite, Ganglion, Gastralgia, Hemoptysis, Migraine, Mumps, Tenosynovitis, Tumor, Vision.

#### FOUR CASES:

Balanitis, Callosity, Caries (teeth), Chancroid, Dysentery, Fissure, Glossitis, Impacted Molar, Malaise, Psychoneurosis, Rheumatism, Sciatica.



## THREE CASES:

Alopecia, Athlete's Feet, Fainting (syncope), Hematobium, Hematoma, Hematuria, Hyperacidity, Lipoma, Osteomyelitis, Poliomyelitis, Soreness, Varicose veins.

## TWO CASES:

Anemia, Deviated septum, Ecthyma, Epididymitis, Erythema, Falliculitis, Growth, Heart Trouble, Hives, Measles, Oscheitis, Periositis, Rash, Receding gums, Seborrhea, Thrombosis.

## ONE CASE:

Angina (pectoris), Anorexia, Arrhythmia, Bleeding, Bromidrosis, Chapped skin, Concussion (brain), Dandruff, Dizziness, Dry skin, Ecchymosis, Epilepsy, Epstachitis, Flatulence, Gas, Halitosis, Heat exhaustion, Hiccough, Iritis, Itchiness, Keloid, Lichem, Mastitis, Nephritis, Nostalgia, Operation, Overweight, Overwork, Phimosiis, Pneumonia, Psoriasis, Psychosis, Pyuria, Rubella, Spur, Stiffness, Thyroid (enlarged), Trench foot, Trench mouth, Underweight.



APPENDIX H

SURVEY OF HEALTH TEACHING IN HIGH SCHOOLS





## BIOLOGY

Biology and nothing else	818
Advanced Science	1
Aeronautics	5
Agriculture	22
Agriculture, General Science	1
Agriculture, P.E.	1
Algebra	2
Algebra, General Science, Chemistry, Physics	1
Algebra, Geometry	3
All other Courses	2
All Science Courses	4
American Literature	1
Art	1
Botany	4
Chemistry	25
Chemistry, Algebra, General Science	1
Chemistry, General Science	7
Chemistry, General Science, Physics, Aeronautics	1
Chemistry, German	1
Chemistry, Hygiene	2
Chemistry, Industrial Arts	1
Chemistry, Mathematics, Physics	1
Chemistry, Music	1
Chemistry, P.E.	2
Chemistry, Physics	12
Chemistry, Physics, Aeronautics, P.E.	1
Chemistry, Physics, General Science	20
Chemistry, Physics, Hygiene	1
Chemistry, Physiology	1
Chemistry, Spanish	1
Chemistry, Zoology, General Science	1
Coach	5
Coach, P.E., General Science, Com. Geography	1
Commercial Subjects	4
Doctor	1
Economics	2
Electricity	1
English	9
English, Latin	1
English, Mathematics	1
English, Spanish	1
First Aid, General Science	1
General Science	76
General Science, Algebra, Chemistry, Physics	1
General Science, Clothing, P.E.	1
General Science, Coach	1
General Science, Coach, Physics	1
General Science, History	3
General Science, Home Ec.	1
General Science, Home Ec., World History	1
General Science, Mathematics	3
General Science, Music	3
General Science, P.E.	8



## BIOLOGY (Continued)

General Science, Physics	13
General Science, Physics, History, Citizenship	1
General Science, Physics, P.E.	2
General Science, Physiology, Physics	1
General Science, Social Geography, Latin	1
General Science, Zoology	1
General Science, Zoology, Botany	1
Geography	5
Geometry	5
Grecian Drama	1
History	14
History, Civics, Coach	1
History, Coach	1
History, P.E.	3
History, Sociology, Spanish, Civics	1
Home Economics	15
Horticulture	3
Hygiene	5
Latin	6
Latin, History	1
Mathematics	18
Mathematics, Aeronautics	1
Mathematics, Chemistry	2
Mathematics, Coach	1
Mathematics, Geography, P.E., Coach	1
Mathematics, History	1
Mathematics, Latin	1
Mathematics, P.E.	1
Mathematics, Physics, P.E., General Science	1
Mathematics, Physiology	1
Mathematics, Superintendent, Coach	1
Miscellaneous	5
Music	1
Other Sciences	7
Other Sciences, Coach	2
Other Science, P.E.	1
P.E.	44
P.E., Coach	4
P.E., General Science, English	1
P.E., History, General Science	2
Physics	8
Physics, Aeronautics	1
Physics, Chemistry, Geometry, Principal	1
Physics, Coach	1
Physics, Manual Training	1
Physics, Mathematics, General Science	3
Physics, P.E.	1
Physics, Physiology	1
Physiology	6
Physiology, General Science	1
Physiology, Hygiene	1
Physiology, P.E.	2
Pre-Flight	1



## BIOLOGY (Concluded)

Principal	1
Problems of Democracy	1
Science, English	1
Social Sciences	1
Typing	1
Zoology	5
Zoology, Botany	6
Zoology, General Biology	1

## GENERAL SCIENCE

General Science and Nothing Else	728
Aeronautics	2
Aeronautics, Chemistry	11
Agriculture, Physics, Biology	1
Algebra	12
Algebra, English	1
Algebra, Geometry, Mathematics	1
All Other Courses	3
All Science Courses	9
Band, Chorus	1
Biology	80
Biology, Agriculture	3
Biology, Algebra, Geometry	1
Biology, Chemistry	13
Biology, Civics, Social Science	1
Biology, Coach	3
Biology, English	1
Biology, First Aid	1
Biology, History	2
Biology, History, Home Economics	1
Biology, History, Physics, Citizenship	1
Biology, Home Economics, P. E.	1
Biology, Music	1
Biology, P. E.	10
Biology, Physics	15
Botany	1
Chemistry	57
Chemistry, Coach	1
Chemistry, Music	1
Chemistry, P. E.	1
Chemistry, Physics	51
Chemistry, Physics, Health	1
Chemistry, Physics, Physiology	1
Citizenship	2
Civics	4
Coach	14
Coach, Biology, P. E., Geography	1
Commercial Law	1
Commercial Subjects	2
Economics	2





## GENERAL SCIENCE (Continued)

English	12
English, Chemistry	1
English, Clothing, Food	1
English, Drama	1
English, History	1
English, Religion, History, Home Economics	1
Farm Shop, Agriculture	1
General Business	1
Geography	5
Geography, Algebra, Geometry	1
Geometry	6
History	10
History, Civics	1
History, Coach	1
History, Geography	1
History, P.E.	1
History, P.E., Biology	3
History, P.E., Coach	1
Home Economics	29
Home Economics, Biology	1
Home Economics, English	1
Home Economics, P.E.	3
Hygiene	1
Industrial Arts	1
Language	3
Latin	2
Mathematics	78
Mathematics, Biology	2
Mathematics, Bookkeeping	1
Mathematics, Chemistry	5
Mathematics, Civics	1
Mathematics, Coach	1
Mathematics, History	3
Mathematics, Home Economics	1
Mathematics, Literature	1
Mathematics, P.E.	4
Mathematics, Physics	8
Mathematics, Physics, P.E.	1
Mathematics, Physics, P.E., Biology	1
Mechanical Drawing	1
Mechanical Drawing, Algebra	1
Miscellaneous	2
Music	4
Other Sciences	12
Physical Education	37
P.E., Agriculture	1
P.E., Coach	4
P.E., English	1
P.E., Hygiene	1
P.E., Industrial Arts	1
Physics	53
Physics, Aeronautics	1
Physics, Algebra	1





## GENERAL SCIENCE (Concluded)

Physics, Algebra, Biology	1
Physics, Algebra, Geometry, Chemistry, Trigonometry	1
Physics, Biology	3
Physics, Biology, Coach	2
Physics, Biology, P.E.	3
Physics, Chemistry, Biology	21
Physics, Chemistry, Biology, Algebra	3
Physics, Chemistry, Fundamentals of Machines	1
Physics, Geometry, Algebra	1
Physics, Mathematics, Biology	2
Physics, P.E.	3
Physics, Zoology	1
Physiography	1
Physiology	7
Physiology, Biology	2
Physiology, Physics, Biology	1
Pre-Flight	2
Principal	4
Radio	1
Sewing, Biology, English	1
Social Science	1
Spanish	1
Zoology	1
Zoology, Biology	1

## PHYSIOLOGY

Physiology and nothing else	53
Algebra	1
Army Air Force	1
Biology	6
Biology, General Science, Physics	1
Biology, Mathematics	1
Biology, Physics	1
Bookkeeping	1
Botany	1
Botany, Biology	1
Chemistry	3
Chemistry, Physics, General Science	1
Civics	1
Coach	4
Doctor	1
Economics, Citizenship	1
English, History	1
English, Mathematics	1
General Science	7
General Science, Biology	2
Geography	4
Geography, Coach	1
Geology	1
History	4



## PHYSIOLOGY (Concluded)

History, Coach, Social Science	1
Home Economics	1
Mathematics	2
Miscellaneous	1
Nurse	3
Physical Education	17
Physical Education, Bookkeeping	1
Physical Education, Coach	1
Physical Education, Hygiene	1
Physical Education, Mathematics	1
Physics	1
Physics, General Science	1
Physiography	2
Physiography, Chemistry	1
Physiography, Commercial and Industrial Geography	1
Physiography, General Science	1
Psychology	1
Sociology	1
Zoology, Biology	3

## HYGIENE

Hygiene and Nothing Else	74
Art	2
Biology	10
Chemistry	1
Chemistry, Biology	1
Chemistry, Physics, Biology	1
Chemistry, Physics, General Science	1
Civics, Mathematics	1
Coach	17
Commerce	1
Dean of Girls	1
Doctor	1
First Aid	1
First Aid, Physical Education	2
General Science	1
General Science, Algebra	1
Geography	1
History	3
History, Coach, Social Science	1
History, Physical Education, Social Science	1
Home Economics	6
Mathematics	3
Miscellaneous	13
Nurse	3
Other Sciences	2
Physical Education	400
Physical Education, Biology	2
Physical Education, Coach	6
Physical Education, General Science	1
Physical Education, Home Economics	1
Physical Education, Mathematics	1
Physics	1
Religion	1
Social Science, Physical Education	1











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